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Air Quality Data-1969 Annual Statistics

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15. SUPPLEMENTARY NOTES

16. ABSTRACT

This report is a statistical summary report on ambient air quality. The air quality statistics shown in this publication are produced directly from computer reports generated by EPA's on-line computer system. The data in this publication are being republished in the new revised format currently being used. Some of the data in this publication have been revised as a result of a recent effort to improve the quality of the past data.

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Air Quality Data SAROAD Pollutants NADB SIPS Reporting Requirements		

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, N.C. 27711

EPA-450/2-76-018

AIR QUALITY DATA –
1969 ANNUAL STATISTICS

Monitoring and Data Analysis Division
National Air Data Branch

ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

October 1976

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Publication No. EPA-450/2-76-018

AIR QUALITY DATA - 1969 ANNUAL STATISTICS

INTRODUCTION

In accordance with requirements of the Clean Air Act and EPA Regulations for State Implementation Plans (SIP's),[1] ambient air quality data resulting from air monitoring operations of State, local, and Federal networks must be reported each calendar quarter to the Environmental Protection Agency. The EPA Storage and Retrieval of Aerometric Data (SAROAD) format[2] is the established medium for transmittal of air data to EPA Regional Offices within 45 days after each quarterly reporting period. EPA Regional Offices must, within an additional 30 days, forward data they have received to the EPA Aerometric and Emissions Reporting System (AEROS) of which the SAROAD system is an operational part. AEROS is managed by the National Air Data Branch, Monitoring and Data Analysis Division of the Office of Air Quality Planning and Standards. Summaries of these data are provided to interested parties upon request.

In a continuing effort to provide these data to participating agencies as well as to the public, EPA periodically publishes a summary of all data submitted. It is this Agency's desire that participating agencies take this opportunity to check these data to ensure that: (1) the data are correct and (2) the data accurately reflect the ambient air quality within each Air Quality Control Region (AQCR).

1. Federal Register, Vol. 38, No. 149, Friday, August 3, 1973, pp. 20834 and 20835.

2. OAQPS Guideline 1.2-039, Volume II: "AEROS Users Manual."

The air quality statistics shown in this publication are produced directly from computer reports generated by EPA's on-line computer system. The data in this publication are being republished in the new revised format currently being used. Some of the data in this publication have been revised as a result of a recent effort to improve the quality of the past data. The most recent up-to-date SAROAD reports are available upon request from the National Air Data Branch or the appropriate EPA Regional Office. These locations are shown in the following table.

LIST OF REGIONAL OFFICES

Regional Location	Commercial Telephone	FTS Telephone
EPA Region I 240 Highland Avenue Needham Heights, MA 02194	617-223-7266	223-7266
EPA Region II 26 Federal Plaza New York, NY 10007	212-264-2518	264-2518
EPA Region III 6th & Walnut Streets Philadelphia, PA 19106	215-597-8046	597-8046
EPA Region IV 1421 Peachtree St., N.E. Atlanta, GA 30309	404-526-2864	285-2864
EPA Region V 230 S. Dearborn Chicago, IL 60604	312-353-1447	353-1447
EPA Region VI 1600 Patterson St. Dallas, TX 75201	214-749-1176	749-1176
EPA Region VII 1735 Baltimore Ave. Kansas City, MO 64108	816-374-3791	758-3791
EPA Region VIII 1860 Lincoln St. Denver, CO 80203	303-837-4261	327-4261

EPA Region IX 100 California St. San Francisco, CA 94111	415-556-2270	556-2270
EPA Region X 1200 6th Avenue (M/S 413) Seattle, WA 98101	206-442-1580	399-1580
National Air Data Branch Chief, Requests & Information Section Research Triangle Park, North Carolina 27711	919-688-8146	629-5395

Data for reporting sites using analytical methods determined to be not acceptable for purposes of data analysis are not included in this report. In the future NADB edit programs will reject any new data submittals indicating a "not acceptable"[3] analytical method. All existing "not acceptable" data will be removed from the files and stored in SAROAD format. This "not acceptable" data will no longer be included in data retrieval files.

ORGANIZATION AND FORMAT

These data represent all acceptable ambient air quality data sampled for pollutants that currently have National Ambient Air Quality Standards. These pollutants, along with their corresponding sampling intervals and National Primary and Secondary Standards, are as given on the following page.

3. OAQPS Guideline 1.2-018, "Designation of Criteria Pollutant Analytical Methods as Acceptable/Not Acceptable for Purposes of Data Analysis," May 1974.

SUMMARY OF NATIONAL AMBIENT AIR QUALITY STANDARDS[a]

Pollutant	Averaging time	Primary standards	Secondary standards	Comments
Particulate matter	Annual (Geometric mean)	75 $\mu g/m^3$	60 $\mu g/m^3$	The secondary annual standard (60 $\mu g/m^3$) is a guide for assessing State Implementation Plans to achieve the 24-hour secondary standard.
	24 hour[b]	260 $\mu g/m^3$	150 $\mu g/m^3$	
Sulfur oxides	Annual (Arithmetic mean)	80 $\mu g/m^3$ (0.03 ppm)	-	
	24-hour[b]	365 $\mu g/m^3$ (0.14 ppm)	-	
	3-hour[b]	-	1300 $\mu g/m^3$ (0.5 ppm)	
Carbon monoxide	8-hour[b]	10 mg/m^3 (9 ppm)		
	1-hour[b]	40 mg/m^3 (35 ppm)	(Same as primary)	
Nitrogen dioxide	Annual (Arithmetic mean)	100 $\mu g/m^3$ (0.05 ppm)	(Same as primary)	Chemiluminescence has been proposed as a replacement for the J-H method. New FRM* will be forthcoming in the near furure.
Photochemical oxidants	1-hour[b]	160 $\mu g/m^3$ (0.08 ppm)	(Same as primary)	The FRM* measures O_3 (ozone).

Hydrocarbons (nonmethane)	3-hour (6 to 9 a.m.)	160 $\mu g/m^3$ (0.24 ppm)	(Same as primary)	The HC standard is a guide to devising State Implementation Plans to achieve the oxidant standard. The HC standard does not have to be met if the oxidant standard is met.

[a]The air quality standards and a description of the Federal Reference Methods *(FRM) were published on April 30, 1971 in 42 CRF 410, recodified to 40 CRF 50 on November 25, 1972.

[b]Not to be exceeded more than once per year.

Each section of this publication addresses one of the six pollutants* listed in the preceding summary and shows each acceptable collection and analysis technique represented in AEROS. When submitted, both continuous and non-continuous sampling intervals are given. For uniformity, all summaries are shown in micrograms per cubic meter ($\mu g/m^3$) except carbon monoxide, which is given in milligrams per cubic meter (mg/m^3). Note that the pages are printed so that individual sections (pollutant-method combinations) may be removed and inserted in a loose-leaf notebook if desired.

The format employed in this publication provides both parametric and non-parametric indices of air quality. The number of observations, the minimum and maximum value measured for the period of record, and the odd deciles plus the 95th and 99th percentiles describe the distribution of observed values. The arithmetic and geometric means and standard deviations provide some measure of central tendency and dispersion.

Each summary line is preceded by the Air Quality Control Region within which the sampling site is located,[4] the city or county (parish, election district, or regional planning district), the three-digit site number within the city or county, and an Agency Type Code that indicates the type of agency responsible for the laboratory analysis. A Project Code is shown with the Agency Type Code to indicate the type of surveillance being conducted. Some principal Agency-Project Codes are:

*Ozone included.

4. Directory of Air Quality Monitoring Sites 1972, EPA-450/2-73-006. Environmental Protection Agency, Office of Air and Water Programs, Office of Air Quality Planning and Standards, Research Triangle Park, N. C. 27711. September 1973.

SAROAD AGENCY TYPES

A	EPA Headquarters group responsible for atmospheric surveillance
B	EPA Headquarters group responsible for meteorological activity
C	EPA Headquarters group responsible for effects research
D	EPA Headquarters group responsible for atmospheric research
E	EPA Headquarters group responsible for abatement activity
F	State agency
G	County agency
H	City agency
I	District agency
J	Private
K	Institution (university, college, etc.)
L	Military
M	International agency
N	Other Federal nonmilitary agencies
P	EPA Regional Office group responsible for atmospheric surveillance
Q	World Meteorological Organization
R	World Health Organization
S-Y	Open for future expansion
Z	Other

SAROAD PROJECT CLASSIFICATIONS

01	Population-oriented surveillance
02	Source-oriented ambient surveillance
03	Background surveillance
04	Complaint investigation
05	Special studies
06	Episode monitoring
08	Global surveillance
09	Duplicate sampling
10	Continuous Air Monitoring Program
11-99	For Federal network and future expansion

SUMMARY CRITERIA

Ambient air quality observations which are reported to EPA must satisfy minimum summary criteria--the basis of which is sampling interval (e.g., continuous, non-continuous) and period of coverage (e.g., quarterly, annually). The arithmetic mean, geometric mean, airthmetic standard deviation, and geometric standard deviation are calculated and summarized in this report for data having met these criteria. Reports are available from the National Air Data Branch or the appropriate EPA Regional Office which give the means and standard deviations even though the minimum summary criteria are not satisfied.

Criteria for continuous observations with sampling intervals of less than 24 hours are as follows:

Data representing quarterly periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable quarter.

Data representing annual periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable year.

Criteria for non-continuous observations with sampling intervals of 24 hours or greater are as follows:

Data representing quarterly periods must reflect a minimum of five observations for the applicable quarter. Should there be no measurements in one of the three months of the quarter, each remaining month must have no less than two observations reported for the applicable period.

Data representing annual periods must reflect four quarters of observation that have satisfied the quarterly criteria.

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
ALABAMA																
002 Montgomery	001	A01	26	16.	40.	60.	78.	107.	142.	149.	150.	150.	84.	35.79	75.17	1.67
003 Gadsden	001	A01	26	26.	33.	48.	54.	75.	108.	124.	126.	126.	64.	26.90	59.53	1.50
004 Birmingham	003	A01	23	47.	98.	110.	178.	211.	255.	361.	367.	367.				
005 Mobile	001	A01	22	72.	74.	88.	117.	170.	202.	207.	296.	296.	134.	58.40	123.69	1.51
	001	G01	22	71.	73.	87.	116.	169.	201.	206.	295.	295.	133.	58.40	122.61	1.51
007 Huntsville	001	A01	26	18.	36.	48.	52.	70.	114.	119.	133.	133.	64.	28.39	57.96	1.56
ALASKA																
000 Anchorage	005	F01	86	1.	45.	85.	116.	145.	245.	263.	312.	312.				
008 Anchorage	003	A01	25	19.	22.	42.	108.	156.	177.	193.	268.	268.	104.	68.76	78.92	2.30
	004	A01	78	12.	21.	67.	111.	253.	439.	468.	711.	711.				
	006	A01	83	13.	28.	76.	116.	203.	290.	314.	658.	658.				
	007	A01	73	9.	22.	52.	78.	100.	146.	176.	322.	322.				
009 Fairbanks	001	A01	24	24.	65.	137.	190.	269.	443.	449.	876.	876.	230.	182.23	174.84	2.21
ARIZONA																
014 Coconino Co	001	A01	1	24.	24.	24.	24.	24.	24.	24.	24.	24.				
014 Grand Canyon Nat Park	001	A03	25	6.	7.	12.	15.	23.	30.	31.	32.	32.	17.	8.69	15.22	1.75
015 Maricopa Co	001	A01	26	13.	15.	25.	41.	53.	62.	85.	111.	111.	42.	23.04	36.55	1.78
015 Phoenix	002	A01	26	29.	58.	95.	117.	145.	214.	221.	247.	247.	123.	51.84	111.50	1.62
015 Tucson	001	A01	26	24.	40.	61.	78.	109.	133.	137.	138.	138.	85.	33.36	77.88	1.57
ARKANSAS																
016 Little Rock	001	A01	26	39.	43.	58.	75.	96.	137.	139.	178.	178.	81.	33.81	75.28	1.49
	002	F01	25	16.	37.	60.	76.	138.	155.	167.	169.	169.	95.	47.46	81.85	1.82
017 Fort Smith	001	F01	25	14.	18.	45.	52.	59.	79.	85.	92.	92.	50.	20.99	44.80	1.69
018 West Memphis	001	A01	22	34.	42.	64.	68.	93.	119.	138.	196.	196.	81.	38.15	73.37	1.56
019 Crossett	001	F01	25	19.	72.	119.	135.	153.	189.	191.	220.	220.	133.	46.22	121.24	1.67
019 El Dorado	001	F01	27	13.	23.	28.	38.	53.	90.	95.	119.	119.	46.	25.65	39.95	1.69
020 Stuttgart	001	F01	16	89.	90.	111.	131.	194.	293.	465.	465.	465.				
021 Montgomery Co	001	A03	24	10.	12.	18.	24.	31.	43.	52.	88.	88.	28.	16.88	23.93	1.70
022 Texarkana	001	A01	26	18.	27.	54.	59.	80.	141.	146.	167.	167.	70.	36.37	62.18	1.68
CALIFORNIA																
024 Anaheim	001	A01	25	43.	48.	71.	80.	135.	168.	183.	261.	261.	104.	53.00	93.00	1.62
	001	I01	79	43.	59.	81.	102.	134.	183.	196.	261.	261.	113.	46.91	103.59	1.51
024 Burbank	001	A01	24	41.	58.	74.	82.	116.	143.	158.	160.	160.	94.	34.04	88.12	1.44
	002	A01	24	41.	58.	74.	82.	116.	143.	158.	160.	160.	94.	34.04	88.12	1.44
024 Glendale	001	A01	26	32.	51.	56.	74.	94.	124.	129.	149.	149.	79.	28.68	73.70	1.44
024 Long Beach	001	A01	24	52.	70.	87.	100.	120.	166.	231.	242.	242.	112.	46.66	104.13	1.44
024 Los Angeles	001	A01	24	40.	56.	70.	91.	104.	169.	178.	280.	280.	104.	54.72	92.81	1.61
	001	I01	24	40.	56.	70.	91.	104.	169.	178.	280.	280.	104.	54.71	92.81	1.61
024 Ontario	001	A01	25	23.	30.	77.	115.	173.	270.	292.	456.	456.	140.	98.91	108.61	2.16
	001	I01	25	23.	30.	77.	115.	173.	270.	292.	456.	456.	140.	98.91	108.61	2.16
024 Pasadena	002	A01	20	22.	51.	65.	94.	120.	148.	168.	219.	219.				
024 Riverside	001	A01	26	39.	53.	92.	144.	187.	228.	239.	255.	255.	140.	63.36	123.52	1.72
	001	I01	26	39.	53.	92.	144.	187.	228.	239.	255.	255.	140.	63.36	123.52	1.72
024 San Bernardino	001	A01	26	28.	33.	61.	85.	162.	229.	235.	245.	245.	116.	69.89	94.67	1.96
	001	I01	26	28.	33.	61.	85.	162.	229.	235.	245.	245.	116.	69.89	94.67	1.96
024 Santa Ana	001	A01	26	64.	65.	87.	130.	166.	252.	254.	271.	271.	135.	60.34	123.02	1.56
	001	F01	26	64.	65.	87.	130.	166.	252.	254.	271.	271.	135.	60.34	123.02	1.56
024 Santa Barbara	002	F01	24	1.	34.	51.	57.	64.	86.	87.	88.	88.	58.	21.36	46.69	2.80
024 Torrance	001	A01	25	15.	25.	57.	66.	103.	153.	163.	177.	177.	80.	44.97	68.16	1.86
025 Monterey	001	I01	13	14.	25.	30.	47.	58.	65.	105.	105.	105.				
025 Monterey Co	001	I01	18	23.	33.	75.	89.	116.	163.	179.	179.	179.				
025 Salinas	001	I01	21	40.	47.	65.	80.	87.	146.	150.	166.	166.				
025 Santa Cruz Co	001	I01	19	30.	37.	46.	59.	63.	106.	110.	110.	110.				
026 Humboldt Co	001	A03	27	19.	22.	28.	33.	43.	65.	87.	182.	182.	44.	31.92	38.31	1.65
028 Sacramento	001	A01	25	13.	32.	44.	51.	69.	119.	137.	160.	160.	62.	34.82	53.98	1.71
	001	I01	25	13.	32.	44.	51.	69.	119.	137.	160.	160.	62.	34.82	53.98	1.71
029 El Cajon	001	C05	23	24.	49.	79.	92.	108.	139.	140.	147.	147.	92.	30.99	86.00	1.52
	001	I01	23	24.	49.	79.	92.	108.	139.	140.	147.	147.	92.	31.03	86.12	1.52

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
CALIFORNIA — Cont.																
029 San Diego	001	A01	26	37.	44.	62.	72	79.	115.	191.	204.	204.	80.	39.48	73.27	1.49
	001	G01	49	33.	44.	63.	74.	84.	116.	118.	204.	204.	79.	29.83	73.93	1.42
030 Berkeley	001	A01	22	23.	28.	29.	38.	51.	64.	107.	144.	144.				
030 Oakland	001	A01	26	31.	34.	58.	69.	85.	134.	149.	187.	187.	79.	39.44	70.50	1.63
030 San Francisco	001	A01	25	25.	32.	44.	52.	64.	95.	100.	137.	137.	59	26.39	54.25	1.52
030 San Jose	001	A01	26	21.	46.	69.	78.	100.	132.	149.	202.	202.	88.	38.65	79.54	1.59
	002	A01	26	21.	46.	69.	78.	100.	132.	149.	202.	202.	88.	38.65	79.54	1.59
031 Fresno	001	A01	25	28.	51.	75.	90.	113	158.	237.	316.	316.	106.	62.24	92.16	1.72
	002	F01	4	104.	104.	118.	118.	130.	218.	218.	218.	218.				
031 Stockton	002	F01	14	31.	31.	75.	100.	128.	149.	211.	211.	211.				
COLORADO																
014 Durango	003	F01	67	17.	48.	62.	83.	96.	163.	209.	417.	417.	96.	60.88	83.24	1.71
014 Mesa Verde Nat Park	002	A03	26	4	7.	7.	14.	21	37.	42.	50.	50.	18.	12.47	13.89	2.00
034 La Junta	001	F01	95	24.	34.	50.	60.	68.	96.	107.	132.	132.	62.	23.59	57.41	1.47
034 Rocky Ford	001	F01	97	28.	41.	61.	75	96.	138.	158.	274.	274.	83.	39.99	74.93	1.57
035 Garfield Co	001	F01	97	28.	58.	90.	115.	154.	256.	303.	415.	415.	138.	80.07	117.65	1.77
	002	F01	46	19.	37.	52.	60.	104.	152.	172.	240.	240.				
035 Glenwood Springs	001	F01	99	14.	39.	59.	77.	97.	134.	155.	207.	207.	81.	38.36	71.49	1.71
035 Grand Junction	003	F01	21	20.	24.	51.	64.	88.	111.	119.	127.	127.				
	004	F01	17	24.	29.	65.	77.	96.	145.	150.	150.	150.				
	006	F01	19	14.	14.	42.	49.	84.	96.	268.	268.	268.				
	007	F01	68	29.	37.	61.	70.	91.	121.	141.	155.	155.				
	008	F01	10	33.	33.	41.	56.	83.	134.	151.	151.	151.				
035 Mesa Co	001	F01	82	1.	37.	73.	89.	106.	137.	168.	284.	284.	90.	45.29	75.13	2.18
	002	F01	60	5.	14.	20.	29.	45.	103.	126.	260.	260.				
035 Montrose	001	F01	81	25.	46.	66.	95.	113.	182.	206.	262.	262.	103.	54.38	89.83	1.71
036 Adams Co	001	F01	90	14.	42.	75.	98.	115.	160.	235.	282.	282.	105.	53.92	91.09	1.77
036 Arvada	001	F01	94	16.	64.	91.	109.	129.	200.	252.	330.	330.	122.	60.19	109.01	1.65
036 Aurora	001	F01	87	12.	39.	64.	76.	98.	133.	156.	286.	286.	86.	42.43	76.57	1.64
036 Boulder	001	F01	87	27	49.	65.	78.	101.	138.	157.	213.	213.	89.	37.22	81.98	1.50
036 Brighton	001	F01	87	22.	43.	72.	92.	111.	133.	145.	165.	165.	92.	34.05	84.03	1.57
036 Denver	001	A01	105	13.	52.	85.	108.	145.	206.	222.	391.	530.	125.	73.62	108.94	1.71
	001	F01	87	13.	58.	87.	112.	137.	206.	222.	391.	391.	124.	64.39	109.66	1.67
	002	A01	1	56.	56.	56.	56.	56.	56.	56.	56.	56.				
	002	A10	173	16.	66.	113.	141.	196.	370.	419.	566.	603.	179.	116.95	146.76	1.91
	002	F01	173	16.	66.	113.	141.	196.	370.	419.	566.	603.	179.	116.95	146.76	1.91
	003	F02	91	20.	57.	84.	108.	133.	173.	207.	317.	317.	114.	53.64	102.59	1.62
	004	F01	89	27.	80.	141.	182.	224.	318.	385.	580.	580.	195.	97.60	171.14	1.73
	006	F01	87	11.	39.	57.	75.	94.	139.	153.	197.	197.	81.	37.96	71.39	1.70
	007	F01	94	19.	40.	57.	66.	80.	103.	121.	184.	184.	71.	27.87	66.18	1.48
	008	F01	86	17.	42.	70.	89.	112.	145.	172.	286.	286.	96.	47.66	84.56	1.68
036 Douglas Co	001	F01	90	10.	26.	41.	49.	62.	78.	108.	136.	136.	53.	24.76	48.08	1.61
036 Edgewater	001	F01	93	15.	48.	73.	90.	111.	171.	195.	327.	327.	101.	52.58	88.83	1.70
036 Englewood	001	F01	91	19.	60.	75.	100.	120.	175.	200.	256.	256.	106.	48.43	95.80	1.60
036 Golden	001	F01	93	14.	44.	60.	76.	94.	123.	136.	259.	259.	80.	35.94	72.96	1.57
036 Jefferson Co	001	F02	77	6.	29.	45.	59.	69.	91.	103.	183.	183.	61.	27.20	54.48	1.64
036 Lakewood	001	F01	92	12.	39.	55.	67.	80.	114.	141.	152.	152.	72.	30.41	65.52	1.57
036 Longmont	001	F01	88	13.	49.	75.	93.	118.	192.	236.	422.	422.	108.	65.81	92.62	1.77
037 Fort Collins	001	F01	90	32.	49.	79.	99.	125.	199.	246.	345.	345.	114.	62.64	100.00	1.65
037 Greeley	002	F01	61	25.	47.	63.	77.	102.	132.	141.	577.	577.				
	003	F01	100	17.	31.	54.	76.	102.	163.	200.	272.	285.	89.	55.50	74.23	1.86
037 Larimer Co	001	F01	45	14.	22.	39.	53.	65.	88.	100.	129.	129.				
	002	F01	64	12.	24.	35.	56.	68.	85.	120.	150.	150.	56.	29.13	49.15	1.73
037 Littleton	001	F01	90	19.	47.	75.	92.	113.	151.	176.	198.	198.	96.	37.83	88.16	1.55
037 Loveland	001	F01	93	18.	46.	62.	88.	121.	175.	223.	411.	411.	102.	63.45	86.59	1.78
037 Sterling	001	F01	69	29.	46.	62.	79.	108.	155.	177.	299.	299.	92.	49.97	81.45	1.62
037 Weld Co	001	F01	92	9.	42.	72.	81.	113.	149.	181.	508.	508.	95.	61.06	80.50	1.84
038 Arapahoe Co	001	F03	89	5.	19.	28.	35.	44.	69.	82.	107.	107.	39.	19.81	34.01	1.72
038 Canon City	001	F01	99	12.	29.	47.	59.	74.	114.	136.	172.	172.	64.	33.19	56.29	1.70
038 Colorado Springs	003	F01	101	11.	44.	61.	87.	120.	173.	197.	266.	333.	100.	55.69	85.37	1.82
038 Manitou Springs	001	F01	98	10.	38.	60.	85.	104.	130.	169.	235.	235.	86.	40.49	76.43	1.71
038 Pueblo	001	F01	90	29.	78.	111.	143.	175.	257.	279.	483.	483.	156.	78.40	138.94	1.65
	003	F01	91	49.	84.	105.	134.	160.	217.	236.	407.	407.	143.	59.15	132.19	1.48
038 Trinidad	001	F01	101	28.	50.	65.	83.	103.	146.	161.	197.	289.	92.	41.89	83.48	1.53

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

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Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
CONNECTICUT																
041 Groton	001	F01	12	39.	42.	50.	53.	86.	103.	106.	106.	106.				
041 Mansfield	001	F01	3	21.	21.	21.	34.	45.	45.	45.	45.	45.				
041 Norwich	001	F01	26	22.	34.	49.	65.	81.	87.	89.	149.	149.	67.	25.71	62.07	1.49
041 Putnam	002	F01	13	38.	40.	57.	76.	102.	136.	149.	149.	149.				
042 Ansonia	001	F01	13	79.	80.	89.	110.	122.	128.	147.	147.	147.				
	002	F01	4	105.	105.	105.	105.	126.	145.	145.	145.	145.				
	003	F01	3	117.	117.	117.	143.	161.	161.	161.	161.	161.				
042 Enfield	001	F01	7	14.	14.	59.	63.	79.	129.	129.	129.	129.				
042 Hartford	001	A01	25	25.	36.	53.	62.	70.	102.	139.	193.	193.	69.	36.01	62.30	1.57
	003	F01	13	50.	53.	72.	116.	152.	223.	239.	239.	239.				
	004	F01	8	29.	29.	77.	82.	153.	184.	184.	184.	184.				
	005	F01	12	32.	34.	39.	44.	80.	119.	135.	135.	135.				
042 Meriden	002	F01	6	41.	41.	72.	84.	124.	194.	194.	194.	194.				
	003	F01	8	18.	18.	51.	63.	67.	146.	146.	146.	146.				
	004	F01	5	43.	43.	61.	99.	110.	203.	203.	203.	203.				
	005	F01	6	42.	42.	85.	148.	262.	290.	290.	290.	290.				
042 Middletown	001	F01	13	35.	37.	43.	62.	74.	106.	143.	143.	143.				
	003	F01	13	35.	53.	65.	71.	104.	157.	201.	201.	201.				
042 Milford	001	F01	12	25.	30.	35.	49.	55.	90.	137.	137.	137.				
	002	F01	10	34.	34.	59.	64.	79.	121.	138.	138.	138.				
042 Naugatuck	001	F01	11	48.	62.	72.	126.	132.	179.	221.	221.	221.				
042 New Britain	001	F01	27	15.	45.	70.	80.	99.	125.	144.	152.	152.	84.	31.82	76.93	1.60
	002	F01	13	54.	61.	71.	89.	164.	213.	245.	245.	245.				
	003	F01	13	37.	59.	74.	90.	118.	146.	220.	220.	220.				
	004	F01	13	23.	30.	36.	53.	58.	80.	134.	134.	134.				
	005	F01	13	22.	25.	37.	43.	56.	87.	125.	125.	125.				
042 New Haven	001	A01	26	30.	49.	63.	88.	107.	166.	167.	207.	207.	95.	42.82	85.89	1.57
	001	F01	146	17.	42.	62.	86.	118.	163.	193.	235.	240.	96.	49.54	84.38	1.71
	002	F01	56	23.	38.	63.	76.	97.	137.	182.	231.	231.				
	003	F01	46	23.	31.	49.	58.	78.	111.	125.	150.	150.				
	005	F01	57	8.	35.	48.	65.	82.	111.	123.	157.	157.				
	006	H01	42	21.	42.	81.	118.	143.	206.	239.	260.	260.				
042 Orange	003	F03	9	34.	34.	37.	48.	60.	111.	111.	111.	111.				
042 Thomaston	003	F01	6	39.	39.	58.	69.	106.	115.	115.	115.	115.				
042 Waterbury	001	A01	26	40.	45.	65.	73.	105.	140.	144.	162.	162.	85.	34.18	79.25	1.48
	001	F01	26	48.	64.	75.	85.	129.	174.	179.	202.	202.	105.	42.32	97.63	1.47
043 Bridgeport	001	A01	25	48.	48.	57.	63.	73.	98.	99.	101.	101.	68.	16.95	65.85	1.27
	001	F01	40	36.	48.	59.	73.	83.	105.	121.	123.	123.	75.	22.54	71.61	1.35
043 Danbury	001	F01	7	32.	32.	44.	61.	76.	157.	157.	157.	157.				
043 Fairfield	002	F01	10	21.	21.	25.	38.	42.	70.	84.	84.	84.				
043 Greenwich	001	F01	11	39.	40.	58.	75.	83.	114.	145.	145.	145.				
	002	F01	12	25.	36.	42.	59.	75.	84.	156.	156.	156.				
	003	F01	10	29.	29.	43.	51.	57.	75.	129.	129.	129.				
	007	F01	9	25.	25.	33.	38.	57.	64.	64.	64.	64.				
043 Norwalk	001	F01	13	32.	38.	43.	50.	64.	85.	107.	107.	107.				
043 Stamford	001	F01	27	27.	41.	53.	68.	89.	121.	143.	152.	152.	76.	32.63	69.45	1.54
	004	F01	4	30.	30.	38.	38.	55.	59.	59.	59.	59.				
043 Stratford	001	F01	12	24.	35.	42.	49.	62.	145.	175.	175.	175.				
	002	F01	12	41.	54.	59.	87.	95.	143.	146.	146.	146.				
044 Litchfield Co	001	F03	13	24.	29.	39.	48.	70.	74.	81.	81.	81.				
044 Torrington	001	F01	11	34.	54.	58.	74.	111.	130.	144.	144.	144.				
044 Winchester	001	F01	9	33.	33.	46.	50.	66.	80.	80.	80.	80.				
DELAWARE																
045 Newark	001	A01	24	31.	33.	39.	48.	74.	134.	141.	166.	166.				
	002	F01	55	17.	32.	54.	72.	89.	112.	122.	358.	358.				
045 New Castle Co	001	F01	55	22.	46.	58.	74.	97.	122.	125.	133.	133.				
	002	F01	46	25.	39.	51.	68.	89.	109.	116.	178.	178.				
	003	F01	34	29.	42.	58.	73.	94.	126.	162.	176.	176.				
	004	F01	47	19.	36.	48.	62.	75.	92.	99.	103.	103.				
	005	F01	34	24.	39.	56.	82.	91.	119.	138.	160.	160.				
	006	F01	53	17.	26.	45.	59.	72.	92.	98.	100.	100.				
	007	F01	54	7.	27.	40.	51.	67.	95.	110.	127.	127.				
	011	F01	25	3.	19.	42.	57.	70.	87.	110.	117.	117.				
045 Wilmington	001	A01	24	31.	88.	96.	102.	127.	236.	250.	262.	262.	127.	58.91	113.66	1.60
	004	F01	47	23.	61.	125.	180.	221.	274.	367.	508.	508.				
046 Kent Co	001	A03	22	18.	27.	32.	45.	56.	69.	86.	87.	87.				

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
DISTRICT OF COLUMBIA																
047 Washington	001	A01	26	38.	49.	59.	78.	90.	108.	114.	120.	120.	77.	22.58	73.39	1.37
	003	A10	124	41.	60.	85.	105.	133.	178.	228.	286.	289.				
FLORIDA																
005 Panama City	002	F01	15	27.	43.	59.	74.	92.	141.	142.	142.	142.				
005 Pensacola	001	F01	5	70.	70.	85.	86.	98.	137.	137.	137.	137.				
005 West Palm Beach	001	F01	20	21.	27.	46.	52.	64.	76.	86.	101.	101.				
048 Orlando	002	F01	24	36.	41.	50.	54.	59.	72.	76.	82.	82.				
048 Titusville	001	F01	21	14.	20.	26.	31.	34.	44.	45.	53.	53.				
049 Apalachicola	001	F01	21	24.	25.	36.	39.	54.	63.	63.	75.	75.				
049 Jacksonville	002	A01	24	31.	39.	63.	79.	91.	116.	123.	141.	141.	81.	27.86	75.51	1.48
	050	F01	16	58.	65.	82.	92.	104.	127.	129.	129.	129.				
049 Putnam Co	001	F01	20	26.	35.	43.	45.	63.	78.	82.	89.	89.				
	002	F01	1	28.	28.	28.	28.	28.	28.	28.	28.	28.				
050 Dade Co	002	G01	42	33.	48.	57.	61.	77.	90.	107.	119.	119.	67.	19.23	64.92	1.32
050 Miami	001	A01	26	17.	47.	54.	67.	77.	89.	115.	132.	132.	69.	23.33	64.68	1.47
	002	A01	26	17.	47.	54.	67.	77.	89.	115.	132.	132.	69.	23.33	64.68	1.47
	002	F01	20	31.	33.	37.	42.	45.	64.	67.	68.	68.				
052 Bradenton	002	G02	20	11.	18.	33.	39.	62.	79.	83.	109.	109.				
052 Hardee Co	001	A03	24	12.	13.	19.	22.	27.	37.	39.	58.	58.	25.	10.54	23.52	1.48
	001	F01	20	15.	16.	23.	25.	32.	40.	44.	45.	45.				
052 Manatee Co	005	G02	17	21.	21.	28.	33.	41.	60.	69.	69.	69.				
	008	G02	18	19.	20.	30.	38.	44.	56.	57.	57.	57.				
052 St Petersburg	002	A01	26	20.	26.	30.	33.	40.	55.	58.	69.	69.	37.	11.79	35.61	1.35
	002	F01	20	28.	30.	38.	46.	57.	63.	74.	78.	78.				
052 Tampa	001	F01	19	45.	47.	66.	75.	86.	125.	186.	186.	186.				
	002	A01	26	26.	44.	59.	78.	90.	107.	115.	118.	118.	76.	24.90	71.40	1.49
052 Winter Haven	001	F01	23	14.	21.	32.	39.	51.	66.	66.	69.	69.	41.	15.31	38.52	1.50
GEORGIA																
002 Columbus	001	A01	24	30.	32.	46.	58.	69.	93.	98.	111.	111.	61.	23.28	56.42	1.49
	001	F01	28	24.	33.	50.	54.	69.	115.	117.	129.	129.	64.	27.39	58.76	1.53
049 Brunswick	001	F01	26	52.	60.	80.	91.	108.	160.	189.	199.	199.	101.	38.23	94.92	1.42
053 Augusta	001	F01	26	35.	41.	57.	72.	90.	155.	175.	188.	188.	84.	41.71	75.38	1.60
054 Lyons	001	F01	25	14.	19.	30.	43.	55.	64.	71.	74.	74.	41.	17.62	37.47	1.61
054 Macon	001	F01	24	42.	46.	83.	95.	106.	160.	174.	204.	204.	98.	39.43	90.84	1.50
055 Rome	001	F01	21	40.	45.	56.	63.	80.	103.	119.	127.	127.				
055 Rossville	001	F01	22	18.	25.	70.	101.	142.	182.	187.	305.	305.	108.	68.66	85.51	2.17
056 Atlanta	001	A01	26	22.	52.	64.	77.	95.	145.	147.	166.	166.	85.	33.47	78.40	1.54
	001	G01	26	22.	52.	64.	77.	95.	145.	147.	166.	166.	85.	33.47	78.40	1.54
057 Gainesville	001	F01	15	28.	31.	38.	50.	88.	146.	210.	210.	210.				
058 Savannah	001	A01	25	31.	41.	62.	92.	120.	270.	276.	277.	277.	112.	73.52	92.65	1.88
	001	F01	29	34.	44.	68.	106.	124.	277.	296.	426.	426.	126.	89.56	103.56	1.85
059 Albany	001	F01	18	32.	38.	83.	94.	108.	128.	176.	176.	176.				
059 Valdosta	001	F01	23	43.	51.	76.	94.	125.	138.	141.	163.	163.	98.	33.65	91.57	1.46
HAWAII																
060 Hawaii Co	001	A05	7	1.	1.	1.	1.	1.	3.	5.	5.	5.				
	002	A05	7	16.	16.	22.	27.	29.	36.	36.	36.	36.				
060 Honolulu	001	A01	26	18.	30.	33.	35.	46.	69.	75.	80.	80.	42.	15.44	39.90	1.41
IDAHO																
061 Bannock Co	004	F02	27	25.	43.	109.	126.	141.	224.	231.	249.	249.				
061 Butte Co	001	A03	24	1.	3.	7.	8.	13.	15.	21.	22.	22.	10.	5.39	8.30	2.00
061 Idaho Falls	001	F01	8	86.	86.	169.	178.	206.	535.	535.	535.	535.				
	002	F01	8	90.	90.	147.	203.	291.	360.	360.	360.	360.				
	003	F01	8	53.	53.	238.	239.	248.	299.	299.	299.	299.				
061 Pocatello	001	F01	35	24.	53.	98.	126.	156.	245.	266.	315.	315.				
	003	F01	4	103.	103.	132.	132.	277.	368.	368.	368.	368.				
063 Twin Falls	001	F01	142	7.	61.	105.	126.	165.	237.	274.	332.	379.	139.	69.49	119.58	1.83
064 Boise City	001	A01	25	34.	63.	82.	93.	100.	168.	182.	310.	310.	105.	55.09	94.57	1.55
	002	F01	47	37.	59.	83.	116.	140.	166.	185.	224.	224.	112.	43.43	103.54	1.53
	003	F01	31	30.	36.	68.	127.	154.	213.	216.	215.	235.				

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IDAHO — Cont.																
	004	F01	55	20.	60.	88.	121.	152.	213.	324.	420.	420.	134.	79.69	115.22	1.76
ILLINOIS																
065 East Peoria	002	F01	18	34.	39.	81.	104.	133.	143.	147.	147.	147.				
065 Pekin	001	F01	24	28.	33.	50.	66.	77.	259.	276.	353.	353.				
065 Peoria	001	A01	26	53.	79.	109.	119.	150.	229.	251.	353.	353.	144.	69.16	130.19	1.56
	003	F01	24	1.	39.	81.	104.	154.	181.	217.	279.	279.				
	004	F01	20	36.	63.	75.	101.	153.	177.	220.	337.	337.				
	005	F01	10	39.	39.	71.	81.	130.	151.	176.	176.	176.				
066 Bloomington	001	F01	22	47.	69.	94.	103.	120.	136.	162.	166.	166.				
066 Champaign	001	F01	19	24.	42.	72.	90.	113.	153.	195.	195.	195.				
067 Addison	001	F01	25	39.	58.	82.	112.	145.	192.	195.	200.	200.				
067 Aurora	001	F01	23	53.	73.	102.	119.	147.	186.	198.	212.	212.				
067 Blue Island	001	G01	120	4.	41.	66.	98.	129.	214.	311.	387.	427.	119.	82.39	93.50	2.13
067 Bradley	001	F01	23	25.	42.	69.	88.	118.	141.	172.	224.	224.				
067 Calumet City	001	G01	98	6.	51.	91.	115.	149.	213.	273.	386.	386.	127.	68.94	108.54	1.89
067 Chicago	001	A01	26	46.	76.	115.	137.	178.	227.	231.	245.	245.	145.	52.02	134.84	1.49
	002	A10	168	16.	118.	152.	194.	225.	279.	336.	407.	456.	199.	70.07	186.33	1.48
	003	H01	116	25.	42.	64.	85.	118.	163.	206.	284.	316.	98.	53.46	85.67	1.68
	004	H01	122	14.	62.	89.	109.	161.	210.	262.	366.	517.	129.	71.18	113.59	1.68
	005	H01	127	41.	82.	119.	147.	189.	245.	267.	342.	346.	158.	63.92	145.07	1.53
	006	H01	107	35.	59.	89.	118.	164.	231.	260.	408.	463.	137.	75.54	120.06	1.68
	007	H01	96	27.	69.	89.	110.	142.	182.	221.	265.	265.				
	008	H01	118	27.	74.	123.	170.	198.	286.	313.	365.	383.	173.	76.35	155.36	1.65
	009	H01	121	32.	56.	76.	98.	116.	168.	221.	324.	358.	108.	56.79	96.48	1.60
	010	H01	124	37.	58.	81.	108.	134.	201.	240.	369.	370.	121.	63.59	107.09	1.63
	011	H01	121	32.	50.	74.	99.	128.	187.	239.	369.	478.	114.	68.70	99.00	1.70
	012	H01	117	35.	82.	116.	154.	205.	288.	321.	417.	523.	169.	83.86	150.73	1.64
	013	H01	117	32.	70.	112.	147.	193.	243.	294.	333.	384.	157.	69.04	141.36	1.61
	014	H01	107	19.	62	87.	123.	152.	215.	247.	263.	296.	126.	58.43	112.85	1.65
	015	H01	126	28.	71.	98.	119.	159.	204.	256.	304.	364.	135.	58.29	123.07	1.54
	016	H01	120	41.	70.	94.	114.	135.	186.	216.	260.	299.	121.	47.91	112.73	1.47
	017	H01	124	27.	59.	86.	115.	145.	250.	289.	355.	431.	134.	77.09	115.80	1.72
	018	H01	116	49.	80.	108.	136.	174.	238.	321.	442.	464.	153.	76.80	137.91	1.57
	019	H01	119	11.	60.	98.	117.	149.	208.	252.	381.	411.	131.	67.07	115.91	1.69
	020	H01	118	28.	53.	75.	94.	122.	173.	213.	248.	282.	106.	48.95	95.56	1.57
	021	H01	120	43.	65.	90.	119.	142.	177.	209.	297.	317.	122.	52.19	112.11	1.53
	022	H01	63	54.	126.	174.	225.	287.	415.	443.	593.	593.				
067 Chicago Heights	001	G01	131	11.	41.	63.	85.	116.	184.	254.	556.	711.	108.	93.52	86.16	1.91
067 Cicero	001	G01	118	15.	62.	107.	138.	172.	230.	253.	315.	501.	144.	68.16	127.14	1.72
067 Cook Co	001	G01	113	23.	63.	92.	122.	160.	227.	286.	406.	490.	140.	78.89	121.35	1.71
	002	H01	119	36.	72.	115.	146.	173.	260.	286.	372.	561.				
	015	H01	123	7.	60.	92.	113.	134.	183.	214.	247.	307.				
067 Crete	001	G01	7	27.	27.	57.	83.	90.	110.	110.	110.	110.				
067 Elgin	001	F01	25	22.	48.	77.	96.	130.	159.	159.	187.	187.				
067 Elmhurst	001	F01	25	61.	75.	100.	134.	157.	193.	196.	204.	204.				
067 Flossmoor	001	G01	135	6.	37.	56.	78.	97.	151.	203.	249.	257.	88.	52.04	74.17	1.84
067 Franklin Park	001	G01	115	16.	37.	56.	72.	105.	144.	173.	218.	340.	86.	48.30	74.79	1.71
067 Harvey	001	G01	108	3.	49.	73.	92.	119.	184.	231.	282.	394.	105.	60.03	87.84	1.96
067 Hillside	001	G01	138	13.	36.	60.	81.	107.	159.	188.	251.	350.	91.	51.90	77.31	1.81
067 Joliet	001	A01	23	46.	68.	93.	121.	137.	208.	244.	300.	300.	130.	61.23	117.70	1.58
	001	G01	26	46.	68.	93.	120.	137.	237.	244.	300.	300.	131.	62.76	117.74	1.59
	002	G01	3	67.	67.	67.	70.	97.	97.	97.	97.	97.				
	003	G01	7	68.	68.	76.	101.	195.	272.	272.	272.	272.				
	004	G01	4	63.	63.	81.	81.	90.	224.	224.	224.	224.				
	006	G01	7	40.	40.	55.	171.	218.	352.	352.	352.	352.				
067 Lake Co	001	F01	23	10.	39.	51.	67.	79.	108.	218.	270.	270.				
067 Lake Bluff	001	F01	23	21.	29.	53.	61.	69.	98.	146.	149.	149.				
067 Lockport	002	G01	5	56.	56	61.	94.	123.	136.	136.	136.	136.				
067 Midlothian	001	G01	129	11.	44.	70.	85.	122.	180.	215.	345.	566.	105.	71.83	88.42	1.80
067 Morton Grove	001	H01	66	18.	37.	62.	87.	114.	168.	207.	323.	323.				
067 Niles	001	G01	108	15.	34.	52.	63.	90.	139.	160.	221.	249.	77.	43.57	67.01	1.73
067 North Chicago	002	A01	26	22.	32.	76.	98.	113.	191.	193.	208.	208.	98.	48.93	84.36	1.81
	002	F01	37	22.	38.	77.	99.	107.	191.	208.	314.	314.	103.	56.07	89.63	1.74
067 Orland Park	001	G01	124	5.	31.	54.	76.	100.	168.	202.	305.	333.	90.	61.25	72.40	2.01
067 Palatine	001	G01	104	10.	29.	49.	72.	103.	164.	187	207.	226.	84.	50.90	69.14	1.93
067 River Forest	001	G01	92	12.	48.	71.	85.	129.	186.	239	410.	410.	108.	64.95	92.70	1.75
067 Skokie	001	F01	2	45.	45.	45.	45.	46.	46.	46.	46.	46.				

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Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
ILLINOIS – Cont.																
	003	F01	45	1.	39.	63.	101.	129.	210.	237.	387.	387.				
	004	F01	23	33.	54.	85.	107.	142.	187.	200.	318.	318.				
Waukegan	001	F01	24	29.	57.	84.	103.	119.	214.	222.	278.	278.				
Wheaton	002	F01	24	32.	41.	49.	70.	106.	168.	169.	285.	285.				
07 Il Co	005	G01	3	26.	26.	26.	47.	52.	52.	52.	52.	52.				
067 Wilmette	001	G01	127	17.	28.	47.	61.	85.	137.	144.	169.	192.	72.	39.45	61.46	1.78
067 Winnetka	001	F01	20	24.	36.	49.	68.	88.	141.	143.	146.	146.				
069 Moline	001	F01	9	69.	69.	90.	113.	153.	192.	192.	192.	192.				
069 Rock Island	002	F01	22	25.	79.	102.	121.	148.	211.	228.	461.	461.	141.	87.55	121.42	1.77
069 Sterling	001	F01	18	28.	39.	53.	67.	91.	112.	132.	132.	132.				
070 Alton	003	F01	20	66.	69.	91.	98.	131.	162.	166.	235.	235.				
070 East St Louis	001	A01	25	29.	77.	102.	124.	141.	186.	201.	209.	209.	121.	43.22	111.51	1.57
	001	F01	47	29.	77.	106.	125.	145.	200.	209.	231.	331.	132.	52.71	121.30	1.54
070 Granite City	002	F01	24	38.	79.	128.	136.	166.	220.	246.	292.	292.				
	005	F01	12	100.	114.	155.	214.	341.	406.	515.	515.	515.				
	007	F01	14	48.	52.	66.	94.	109.	147.	297.	297.	297.				
	009	F01	14	149.	161.	202.	208.	311.	390.	533.	533.	533.				
	010	F01	24	89.	152.	224.	267.	346.	461.	529.	686.	686.	298.	132.85	271.07	1.58
070 Madison Co	003	F01	17	22.	29.	45.	56.	80.	122.	147.	147.	147.				
070 Wood River	006	F01	24	45.	90.	97.	113.	204.	269.	322.	382.	382.				
	007	F01	23	72.	78.	100.	134.	205.	281.	305.	322.	322.				
071 Bureau Co	001	F01	24	36.	40.	60.	80.	106.	150.	163.	203.	203.				
071 Putnam Co	005	F01	22	63.	84.	106.	147.	264.	326.	417.	489.	489.				
073 De Kalb	001	F01	16	30.	31.	44.	85.	100.	116.	141.	141.	141.				
073 Rockford	001	A01	24	24.	39.	62.	77.	100.	167.	181.	207.	207.	88.	46.61	77.39	1.70
	001	F01	35	24.	45.	70.	95.	105.	139.	181.	207.	207.	92.	40.45	82.98	1.60
	006	F01	25	39.	46.	74.	84.	101.	116.	137.	143.	143.				
075 Quincy	001	F01	11	60.	68.	82.	98.	111.	126.	153.	153.	153.				
075 Springfield	001	A01	25	33.	42.	67.	81.	99.	110.	122.	123.	123.	81.	26.56	76.06	1.46
	002	F01	21	60.	69.	80.	126.	148.	157.	164.	226.	226.				
INDIANA																
067 Chesterton	001	G01	23	17.	20.	32.	54.	71.	122.	170.	204.	204.				
067 East Chicago	001	A01	25	77.	86.	146.	170.	200.	344.	353.	400.	400.	187.	86.75	169.52	1.58
	001	H02	52	79.	96.	132.	179.	244.	329.	384.	598.	598.	203.	108.21	179.97	1.64
	003	H02	50	62.	84.	113.	169.	217.	321.	373.	414.	414.	182.	89.91	161.34	1.65
	004	H02	49	45.	69.	115.	138.	157.	234.	284.	488.	488.	152.	79.32	135.83	1.60
	006	H02	51	58.	69.	85.	108.	137.	195.	228.	242.	242.	120.	49.69	111.45	1.48
067 Gary	001	A01	23	30.	60.	95.	114.	160.	241.	324.	504.	504.	144.	102.68	119.27	1.87
	001	H01	23	30.	60.	95.	114.	160.	241.	324.	504.	504.	144.	102.68	119.27	1.87
	002	H01	41	25.	65.	93.	123.	161.	261.	313.	423.	423.	143.	87.21	120.78	1.84
	003	H01	41	26.	43.	70.	103.	134.	259.	316.	383.	383.	131.	92.62	104.95	1.97
	004	H01	40	40.	84.	127.	159.	201.	266.	314.	334.	334.	169.	72.51	151.92	1.63
	005	H01	38	18.	34.	52.	68.	85.	127.	228.	288.	288.	78.	52.29	66.69	1.74
	008	H01	43	18.	36.	53.	67.	104.	132.	169.	191.	191.	81.	42.59	70.50	1.71
	009	H01	32	29.	77.	86.	105.	159.	192.	195.	351.	351.				
067 Hammond	001	A01	26	15.	55.	76.	103.	142.	276.	372.	385.	385.	129.	90.39	105.31	1.95
	001	F01	55	15.	56.	88.	117.	142.	272.	308.	377.	377.	134.	77.32	114.78	1.77
	002	H01	51	42.	72.	100.	124.	149.	224.	263.	397.	397.	136.	67.53	122.08	1.61
067 Porter Co	008	G01	44	23.	40.	60.	78.	133.	168.	180.	221.	221.				
	009	G01	42	8.	33.	51.	66.	76.	112.	122.	125.	125.				
	010	G01	26	29.	37.	63.	74.	87.	96.	145.	157.	157.				
067 Valparaiso	002	G01	47	17.	30.	40.	66.	87.	115.	124.	143.	143.				
076 Anderson	001	F01	13	54.	56.	65.	76.	112.	152.	237.	237.	237.				
076 Marion	001	F01	12	40.	50.	76.	84.	128.	144.	153.	153.	153.				
076 Muncie	001	A01	12	43.	49.	68.	83.	86.	97.	179.	179.	179.				
076 Richmond	001	F01	26	37.	56.	67.	83.	111.	150.	198.	263.	263.	96.	50.04	85.96	1.57
077 Evansville	001	A01	26	31.	56.	71.	90.	105.	150.	152.	210.	210.	95.	37.70	88.53	1.49
	001	F01	26	1.	1.	53.	78.	106.	119.	119.	140.	140.	74.	40.60	37.55	6.71
078 New Albany	001	A01	25	37.	49.	67.	81.	94.	11[illegible]	142.	153.	153.	83.	29.58	77.62	1.44
	002	A01	23	41.	61.	80.	107.	140.	190.	194.	221.	221.	116.	50.71	105.39	1.58
079 Lawrenceburg	001	F01	12	7.	49.	72.	78.	116.	133.	142.	142.	142.				
080 Indianapolis	001	A01	25	38.	48.	88.	118.	143.	168.	183.	224.	224.	118.	46.83	107.69	1.59
	001	H01	143	26.	62.	91.	107.	127.	156.	168.	224.	279.	110.	37.93	102.94	1.45
	002	H01	271	32.	51.	72.	85.	102.	140.	161.	223.	241.	92.	36.65	86.03	1.46
	003	H01	150	23.	53.	77.	95.	117.	161.	197.	270.	303.	104.	47.56	94.33	1.56
	004	H01	241	11.	33.	49.	64.	83.	120.	131.	156.	165.	70.	32.42	62.43	1.64
	005	H01	240	14.	32.	50.	65.	84.	120.	142.	168.	224.	72.	34.94	64.17	1.63

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INDIANA — Cont.																
	006	H01	125	18.	50.	60.	75.	86.	121.	140.	209.	212.	79.	32.24	73.83	1.47
	007	H01	23	37.	52.	90.	111.	130	159.	183.	183.	183.	106.	40.05	97.79	1.54
	008	H01	23	41.	50.	76.	95.	109.	188.	195.	208.	208	101.	44.78	92.76	1.53
	009	H01	280	27.	55.	81.	97.	115.	149.	168.	248.	273.	102.	39.71	95.09	1.46
	010	H01	139	38.	59.	87.	101.	132.	179.	221.	310.	313.	116.	51.85	106.54	1.52
	011	H01	235	25.	62.	77.	90.	113.	158.	175.	24[illegible]	298.	100.	40.78	93.05	1.47
	012	H01	21	20.	28.	62.	74.	92.	123.	136.	175.	175.				
	013	H01	21	24.	42.	62.	79.	91.	115.	133.	141.	141.				
	014	H01	14	17.	42.	48.	62.	101.	154.	159.	159.	159.				
	015	H01	143	13.	39.	61.	84.	109.	168.	210.	264.	309.				
	016	H01	128	34.	48.	74.	89.	118.	162.	183.	229.	254.				
	017	H01	128	22.	52.	77.	90.	120.	158.	169.	231.	295.				
	019	H01	2	25.	25.	25.	25.	72.	72.	72.	72.	72.				
	021	F01	26	28.	70.	88.	118.	141.	177.	183.	198.	198.	117.	42.35	108.25	1.54
081 Fort Wayne	001	A01	25	39.	46.	63.	81.	103.	128.	158.	178.	178.	87.	34.77	80.53	1.48
	001	F01	25	39.	46.	63.	81.	103.	128.	158.	178.	178.	87.	34.77	80.53	1.48
082 Elkhart	001	F01	20	24.	25.	58.	78.	89.	117.	126.	167.	167.				
082 La Porte	001	F01	12	27.	27.	40.	50.	70.	92.	113.	113.	113.				
082 Mishawaka	005	F01	22	36.	42.	52.	61.	78.	100.	120.	122.	122.				
082 South Bend	002	A01	25	25.	35.	54.	70.	114.	150.	172.	174.	174.	83.	44.05	71.99	1.72
083 Bloomington	001	F01	25	37.	41.	54.	64.	75.	122.	125.	132.	132.	71.	28.15	66.19	1.44
083 Monroe Co	001	A03	24	19.	22.	31.	37.	51.	57.	68.	119.	119.	42.	20.96	38.71	1.53
084 Kokomo	001	F01	24	25.	32.	49.	61.	73.	109.	128.	132.	132.	67.	29.89	61.24	1.57
084 Lafayette	001	F01	24	39.	48.	66.	76.	102.	152.	163.	235.	235.				
084 Parke Co	001	A03	23	21.	25.	27.	39.	60.	71.	81.	92.	92.	44.	20.86	39.93	1.56
	001	F01	23	21.	25.	27.	39.	60.	71.	81.	92.	92.	44.	20.86	39.93	1.56
084 Terre Haute	001	A01	23	50.	52.	71.	100.	112.	155.	162.	179.	179.	99.	36.45	92.19	1.46
	009	G01	23	50.	52.	71.	100	112	155.	162.	179.	179.	99.	36.45	92.19	1.46
084 Vincennes	001	F01	21	31.	42.	65.	90.	94.	114.	116.	150.	150.				
IOWA																
068 Dubuque	001	A01	24	46.	68.	85.	112.	154.	321.	363.	1093.	1093.	179.	211.87	130.44	2.03
	001	F01	24	46.	68.	85.	112.	154.	321.	363.	1000.	1000.	175.	194.56	129.95	2.00
	002	A01	23	32.	37.	52.	67.	91.	111.	124.	268.	268.	79.	48.85	69.53	1.63
069 Davenport	001	A01	26	54.	78.	116.	151.	233.	263.	288.	319.	319.	170.	77.95	151.57	1.67
	009	F01	1	52.	52.	52.	52.	52.	52.	52.	52.	52.				
085 Council Bluffs	001	F01	1	53.	53.	53.	53.	53.	53.	53.	53.	53.				
	016	F01	2	45.	45.	45.	45.	64.	64.	64.	64.	64.				
086 Sioux City	001	F01	1	58.	58.	58.	58.	58.	58.	58.	58.	58.				
088 Cedar Rapids	001	A01	18	58.	71.	117.	139.	223.	319.	360.	360.	360.				
088 Waterloo	003	F01	2	49.	49.	49.	49.	125.	125.	125.	125.	125.				
092 Des Moines	001	A01	25	40.	46.	67.	89.	132.	182.	201.	214.	214.	103.	51.82	91.44	1.67
	001	G01	42	1.	48.	75.	120.	155.	201.	235.	257.	257.	120.	62.22	97.15	2.44
	002	G01	19	63.	63.	145.	154.	192.	256.	329.	329.	329.				
	003	G01	21	25.	30.	73.	85.	94.	117.	146.	149.	149.				
092 Polk Co	019	G01	4	68.	68.	99.	99.	123.	153.	153.	153.	153.				
092 West De Moines	003	G01	19	20.	30.	85.	110.	140.	155.	231.	231.	231.				
	004	G01	4	67.	67.	99.	99.	123.	152.	152.	152.	152.				
KANSAS																
094 Kansas City	002	A01	25	49.	58.	87.	121.	158.	387.	397.	472.	472.	160.	115.63	130.60	1.87
	002	H01	58	49.	65.	89.	121.	156.	210.	387.	472.	472.	141.	83.84	123.31	1.64
	004	H01	55	27.	39.	63.	73.	101.	116.	147.	175.	175.	83.	34.05	75.72	1.54
	007	H01	56	14.	45.	60.	68.	83.	109.	119.	222.	222.	74.	30.81	68.51	1.51
	008	H01	55	29.	99.	157.	215.	265.	346.	404.	418.	418.	221.	92.14	198.75	1.66
	009	H01	55	30.	66.	80.	97.	118.	159.	195.	328.	328.	109.	50.50	99.64	1.51
094 Wyandotte Co	008	H01	14	7.	15.	23.	29.	43.	59.	84.	84.	84.				
095 Atchison	001	F01	28	38.	56.	114.	138.	177.	246.	369.	385.	385.				
095 Lawrence	001	F01	35	32.	45.	70.	96.	136.	169.	203.	211.	211.				
095 Topeka	001	A01	26	13.	23.	53.	68.	78.	99.	102.	105.	105.	65.	25.28	58.26	1.70
	004	F01	25	18.	32.	85.	112.	129.	200.	220.	336.	336.				
096 Junction City	001	F01	30	29.	46.	58.	73.	92.	113.	115.	143.	143.				
096 Mc Pherson	001	F01	31	26.	37.	50.	59.	72.	113.	121.	122.	122.				
096 Manhattan	001	F01	29	41.	47.	62.	82.	111.	154.	177.	377.	377.				
096 Salina	001	F01	21	46.	51.	65.	79.	84.	96.	114.	132.	132.				
097 Goodland	001	F01	35	12.	28.	87.	115.	148.	223.	240.	312.	312.				

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HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
KANSAS — Cont.																
097 Great Bend	001	F01	35	17.	22.	32.	40.	48.	64.	67.	95.	95.				
097 Hays	001	F01	6	52.	52.	52.	61.	68.	79.	79.	79.	79.				
098 Coffeyville	001	F01	32	13.	27.	43.	55.	70.	92.	107.	113.	113.				
098 Pittsburg	001	F01	22	12.	26.	30.	39.	55.	70.	71.	97.	97.				
099 Arkansas City	001	F01	33	1.	23.	41.	54.	75.	129.	160.	164.	164.				
099 El Dorado	001	F01	36	9.	28.	51.	60.	74.	104.	162.	233.	233.				
099 Hutchinson	001	F01	28	36.	48.	63.	78.	93.	156.	157.	158.	158.				
099 Newton	001	F01	31	8.	29.	40.	50.	68.	88.	101.	127.	127.				
099 Wichita	001	A01	26	20.	27.	43.	62.	84.	122.	135.	136.	136.	67.	32.42	59.67	1.67
	001	F01	26	20.	27.	43.	62.	84.	122.	135.	136.	136.	67.	32.42	59.67	1.67
	004	F01	28	34.	67.	89.	101.	197.	323.	386.	407.	407.				
	005	F01	28	3.	32.	80.	131.	250.	516.	572.	734.	734.				
100 Dodge City	001	F01	32	14.	19.	37.	45.	66.	95.	4571.	7672.	7672.				
100 Garden City	001	F01	36	29.	49.	77.	99.	128.	182.	209.	218.	218.				
KENTUCKY																
072 Hickman Co	001	F01	10	24.	24.	43.	47.	57.	68.	83.	83.	83.				
072 Madisonville	001	F01	9	33.	33.	51.	85.	96.	100.	100.	100.	100.				
	002	F01	42	26.	37.	50.	66.	92.	196.	231.	238.	238.				
072 Marshall Co	002	F01	19	22.	41.	50.	74.	121.	205.	284.	284.	284.				
	003	F02	11	43.	43.	68.	76.	103.	184.	739.	739.	739				
	004	F01	3	26.	26.	26.	64.	119.	119.	119.	119.	119.				
	005	F01	10	30.	30.	43.	76.	98.	181.	239.	239.	239.				
	007	F02	26	24.	36.	45.	61.	75.	123.	137.	155.	155.				
	008	F01	20	30.	31.	63.	80.	88.	140.	155.	156.	156.				
072 Paducah	001	F01	17	39.	47.	65.	92.	102.	179.	578.	578.	578.				
	002	F01	24	41.	47.	59.	66.	76.	134.	141.	234.	234.				
	003	F01	24	34.	43.	67.	86.	90.	198.	315.	352.	352.				
	004	F01	22	23.	42.	57.	73.	104.	139.	166.	187.	187.				
	005	F03	21	26.	34.	47.	55.	73.	99.	120.	142.	142.				
	006	F01	13	27.	39.	60.	63.	117.	128.	204.	204.	204.				
	016	F01	1	76.	76.	76.	76.	76.	76.	76.	76.	76.				
	018	F01	21	68.	72.	87.	97.	115.	157.	162.	723.	723.				
077 Henderson	002	F01	51	27.	60.	78.	102.	134.	194.	214.	381.	381.	115.	62.70	101.56	1.64
077 Owensboro	001	F01	44	37.	62.	85.	99.	133.	213.	272.	402.	402.	127.	72.43	111.21	1.66
078 Louisville	001	A01	25	51.	69.	91.	120.	156.	194.	220.	244.	244.	127.	51.46	117.68	1.51
	002	F01	53	20.	68.	85.	98.	117.	157.	191.	250.	250.	107.	39.05	99.87	1.46
079 Covington	001	A01	26	39.	54.	74.	9C.	119	172.	176.	202.	202.	100.	41.07	92.66	1.50
101 Corbin	001	F01	31	25.	33.	37.	43.	56.	81.	86.	97.	97.				
101 London	001	F01	29	21.	30.	38.	47.	69.	113.	116.	133.	133.				
101 Middlesborough	001	F01	7	49.	49.	88.	97.	194.	280.	280.	280.	280.				
102 Frankfort	002	F01	51	18.	27.	40.	45.	55.	86.	97.	112.	112.	50.	21.24	46.04	1.52
102 Lexington	001	A01	24	26.	41.	45.	68.	101.	137.	139.	234.	234.				
	003	F01	51	17.	35.	49.	57.	73.	99.	106.	133.	133.				
103 Ashland	002	A01	24	43.	78.	110.	136.	228.	321.	386.	429.	429.	182.	106.39	153.02	1.85
	003	F01	51	35.	48.	81.	115.	150.	209.	624.	697.	697.	147.	139.75	113.71	1.95
	005	F01	50	24.	33.	63.	96.	133.	183.	364.	382.	382.	112.	80.91	90.57	1.94
	006	F01	51	21.	28.	53.	65.	90.	167.	207.	320.	320.	84.	63.99	67.82	1.92
103 Maysville	001	F01	42	27.	39.	51.	63.	78.	100.	110.	123.	123.	66.	24.49	61.99	1.46
104 Elizabethtown	001	F01	39	25.	40.	61.	75.	90.	146.	217.	362.	362.				
105 Bowling Green	001	A01	3	5.	5.	5.	26.	62.	62.	62.	62.	62.				
LOUISIANA																
022 Shreveport	001	A01	25	28.	33.	49.	65.	76.	104.	122.	150.	150.	69.	28.92	63.87	1.53
	001	G01	25	28.	33.	49.	65.	76.	104.	122.	150.	150.	69.	28.92	63.87	1.53
106 Baton Rouge	001	A01	22	30.	40.	50.	69.	100.	109.	140.	179.	179.	78.	36.68	70.04	1.59
	001	H01	22	30.	40.	50.	69.	100.	109.	140.	179.	179.	78.	36.68	70.04	1.59
106 New Orleans	002	A01	25	38.	45.	59.	76.	82.	96.	118.	180.	180.	75.	28.85	71.14	1.40
	002	F01	25	38.	45.	59.	76.	82.	96.	118.	180.	180.	75.	28.85	71.14	1.40
MAINE																
109 Acadia Nat Park	001	A03	26	5.	10.	13.	15.	26.	38.	41.	42.	42.	21.	10.77	18.12	1.71
110 Portland	002	A01	5	66	66.	148.	152.	155.	265.	265.	265.	265.				

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

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Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
MARYLAND																
047 Bethesda	001	G01	15	1.	1.	1.	1.	1.	1.	1.	1.	1.				
047 Cheverly	002	G01	70	16.	44.	60.	75.	92.	127.	142.	195.	195.				
047 Gaithersburg	003	G01	15	1.	1.	1.	1.	1.	1.	1.	1.	1.				
047 Hyattsville	001	G01	67	35.	48.	71.	85.	99.	137.	158.	188.	188.				
047 Montgomery Co	011	G01	15	1.	1.	1.	1.	1.	1.	1.	1.	1.				
047 Prince Georges Co	001	G01	59	8.	24.	40.	53.	66.	83.	100.	106.	106.				
	002	G01	29	21.	29.	44.	58.	95.	157.	159.	375.	375.				
	003	G01	13	19.	19.	28.	34.	43.	54.	61.	61.	61.				
	004	G01	11	35.	41.	47.	48.	74.	85.	87.	87.	87.				
	006	G01	70	28.	36.	50.	64.	84.	119.	126.	143.	143.				
	007	G01	46	22.	29.	47.	57.	80.	106.	126.	174.	174.				
	008	G01	29	25.	29.	39.	55.	69.	93.	106.	114.	114.				
	009	G01	37	16.	23.	34.	42.	53.	95.	111.	116.	116.				
	010	G01	67	20.	40.	65.	88.	114.	143.	163.	219.	219.				
	011	G01	26	18.	26.	43.	56.	69.	87.	106.	117.	117.				
	012	G01	68	20.	28.	44.	51.	64.	84.	88.	119.	119.				
	013	G01	27	28.	31.	47.	63.	72.	95.	108.	233.	233.				
	014	G01	67	15.	23.	37.	48.	56.	76.	87.	100.	100.				
	016	G01	12	32.	34.	43.	52.	67.	70.	76.	76.	76.				
047 Silver Spring	001	G01	15	1.	1.	1.	1.	1.	1.	1.	1.	1.				
115 Baltimore	001	A01	23	45.	75.	92.	111.	126.	192.	218.	265.	265.	118.	49.27	109.55	1.47
	001	H01	23	45.	75.	92.	111.	126.	192.	218.	265.	265.	118.	49.27	109.55	1.47
116 Calvert Co	001	A03	26	20.	23.	32.	39.	48.	69.	76.	103.	103.	43.	18.96	39.64	1.51
MASSACHUSETTS																
042 Chicopee	001	F01	228	18.	49.	66.	85.	109.	154.	165.	196.	237.	93.	39.89	85.01	1.56
042 Holyoke	001	I01	206	21.	39.	54.	67.	98.	144.	163.	204.	214.	82.	41.69	72.47	1.65
042 Springfield	004	F01	202	21.	39.	53.	67.	98.	144.	163.	204.	214.	82.	42.14	72.08	1.67
	001	A01	26	31.	32.	46.	53.	72.	93.	115.	123.	123.	61.	24.33	56.45	1.47
	002	F01	26	31.	32.	46.	53.	72.	93.	115.	123.	123.	61.	24.33	56.45	1.47
	003	A01	26	31.	32.	46.	53.	72.	93.	115.	123.	123.	61.	24.33	56.45	1.47
	003	F01	218	31.	59.	83.	103.	132.	191.	208.	261.	352.	116.	51.66	105.37	1.54
118 Worchester	001	A01	26	38.	48.	64.	78.	118.	178.	211.	225.	225.	99.	51.23	87.82	1.64
119 Boston	001	F01	26	38.	48.	64.	78.	118.	178.	211.	225.	225.	99.	51.23	87.82	1.64
	001	A01	24	39.	54.	68.	84.	105.	138.	167.	191.	191.	92.	37.72	85.35	1.50
	001	F01	25	39.	54.	68.	84.	112.	167.	191.	275.	275.	100.	51.92	89.43	1.58
	002	F01	9	3.	3.	6.	138.	231.	555.	555.	555.	555.				
119 Cambridge	001	A01	14	23.	31.	45.	50.	57.	78.	81.	81.	81.				
120 Fall River	002	A01	25	25.	32.	50.	57.	68.	86.	88.	94.	94.	58.	18.79	55.16	1.42
120 New Bedford	001	A01	21	28.	30.	34.	40.	53.	70.	102.	189.	189.				
121 Lawrence	001	F01	2	29.	29.	29.	29.	43.	43.	43.	43.	43.				
MICHIGAN																
082 Benton Harbor	001	F01	23	16.	34.	56.	66.	91.	138.	145.	152.	152.	77.	40.16	66.31	1.85
122 Flint	001	A01	23	42.	46.	60.	75.	90.	152.	178.	259.	259.	90.	51.04	80.12	1.59
	002	F01	19	32.	56.	68.	78.	111.	176.	220.	220.	220.				
	003	F01	20	33.	51.	62.	95.	117.	139.	148.	202.	202.				
	004	F01	20	34.	45.	58.	73.	91.	118.	132.	164.	164.				
	005	F01	19	25.	37.	56.	75.	89.	128.	139.	139.	139.				
	006	F01	20	56.	66.	86.	170.	244.	414.	542.	600.	600.				
	007	F01	19	40.	44.	60.	77.	100.	138.	142.	142.	142.				
	008	F01	19	42.	47.	70.	78.	102.	290.	352.	352.	352.				
122 Grand Rapids	001	A01	26	25.	41.	52.	76.	111.	212.	252.	314.	314.	98.	71.10	79.68	1.87
	002	F01	24	37.	44.	58.	68.	107.	181.	235.	501.	501.	105.	96.75	84.18	1.84
	005	F01	25	37.	42.	52.	64.	93.	149.	195.	200.	200.	80.	44.25	70.94	1.60
	006	F01	27	25.	43.	62.	85.	121.	235.	246.	270.	270.	103.	63.47	86.87	1.80
	007	F01	26	32.	57.	77.	114.	125.	217.	232.	250.	250.	116.	57.29	103.58	1.64
	010	F01	25	22.	33.	44.	55.	73.	143.	155.	166.	166.	68.	38.14	59.31	1.67
	011	F01	25	29.	56.	79.	108.	129.	186.	248.	326.	326.	121.	67.94	105.39	1.72
	015	F01	24	21.	26.	37.	50.	62.	113.	139.	208.	208.	62.	42.58	52.45	1.77
	018	F01	25	10.	19.	29.	41.	54.	103.	108.	146.	146.	51.	33.92	42.11	1.92
	019	H01	22	12.	19.	27.	39.	53.	102.	129.	134.	134.				
122 Muskegon	001	F01	24	17.	32.	54.	68.	107.	126.	134.	207.	207.	82.	44.44	69.82	1.88
	010	F01	23	25.	43.	62.	94.	117.	135.	184.	185.	185.	95.	42.76	84.76	1.66
	011	F01	24	24.	32.	72.	94.	148.	222.	269.	279.	279.	117.	75.44	93.64	2.06
122 Saginaw	001	A01	26	21.	33.	58.	67.	89.	125.	131.	139.	139.	73.	30.38	66.14	1.58

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					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
MICHIGAN — Cont.																
	001	F01	26	21	33.	58.	67.	89.	125.	131.	139.	139.	73.	30.38	66.14	1.58
123 Dearborn	001	A01	25	32.	52.	78.	96.	139.	198.	210.	219.	219.	109.	53.39	97.15	1.67
	001	F01	25	32.	52.	78.	96.	139.	198.	210.	219.	219.	109.	53.39	97.15	1.67
123 Detroit	001	A01	25	57.	67.	84.	106.	155.	239.	241.	301.	301.	129.	64.87	115.68	1.59
	001	G01	25	57.	67.	84.	106.	155.	239.	241.	301.	301.	129.	64.87	115.68	1.59
123 Marine City	001	F01	23	16.	42.	61.	69.	84.	99.	129.	134.	134.				
123 Mount Clemens	001	F01	26	21.	23.	51.	64.	86.	141.	155.	172.	172.	73.	38.97	63.20	1.76
123 Pontiac	001	F01	25	20.	27.	44.	68.	81.	123.	136.	140.	140.	71.	34.32	62.62	1.70
123 Port Huron	002	F01	23	54.	60.	90.	112.	132.	234.	242.	244.	244.				
	003	F01	20	42.	44.	63.	100.	110.	124.	158.	196.	196.				
	004	F01	21	12.	20.	28.	43.	63.	79.	91.	143.	143.				
123 Royal Oak	001	F01	26	26.	41.	64.	75.	108.	160.	179.	315.	315.	97.	59.96	83.74	1.72
123 St Clair	002	F01	21	36.	43.	56.	65.	92.	105.	108.	142.	142.				
123 Southfield	001	F01	25	33.	40.	64.	76.	105.	160.	175.	227.	227.	89.	47.83	77.90	1.68
123 Trenton	001	A01	23	38.	65.	84.	96.	112.	151.	158.	158.	158.	101.	32.78	95.43	1.42
	001	F01	23	38.	65.	84.	96.	112.	151.	158.	158.	158.	101.	32.78	95.43	1.42
123 Warren	001	F01	23	33.	55.	62.	90.	106.	196.	228.	317.	317.				
125 Ann Arbor	002	F01	19	49.	51.	76.	95.	107.	169.	199.	199.	199.				
125 Jackson	001	F01	24	21.	28.	39.	53.	67.	103.	108.	137.	137.	59.	30.20	52.24	1.66
125 Kalamazoo	002	F01	26	34.	36.	47.	81.	88.	164.	201.	272.	272.	86.	55.17	73.38	1.72
125 Lansing	001	A01	26	29.	42.	50.	68.	84.	127.	162.	177.	177.	76.	37.11	68.69	1.57
	001	F01	26	29.	42.	50.	68.	84.	127.	162.	177.	177.	76.	37.11	68.69	1.57
126 Charlevoix	003	F01	13	5.	10.	13.	21.	25.	38.	43.	43.	43.				
	005	F01	12	9.	11.	19.	27.	37.	68.	86.	86.	86.				
126 Marquette	001	F01	26	20.	27.	38.	47.	75.	109.	121.	127.	123.	58.	30.57	50.65	1.68
126 Sault Ste Marie	002	F01	23	6.	11.	26.	38.	57.	69.	70.	83.	83.	38.	21.90	31.44	2.03
MINNESOTA																
127 St Cloud	001	H01	112	8.	34.	54.	66.	91.	131.	146.	159.	190.				
128 Faribault	001	F01	48	6.	26.	52.	63.	87.	173.	189.	231.	231.				
128 Mankato	001	F01	47	28.	42.	56.	66.	83.	99.	128.	157.	157.				
128 Rochester	001	G01	120.	9.	33.	66.	87.	120.	166.	186.	252.	301.				
128 Winona	002	F01	29.	8.	28.	54.	58.	72.	121.	123.	141.	141.				
129 Duluth	001	A01	25.	22.	26.	52.	69.	82.	136.	250.	262.	262.	81.	61.97	64.84	1.98
	002	G01	122.	7.	24.	40.	61.	97.	172.	216.	284.	359.				
	003	G01	123.	1.	34.	59.	91.	118.	181.	235.	351.	353.				
	004	G01	119.	8.	41.	86.	115.	158.	224.	270.	348.	357.				
	005	G01	124.	22.	71.	115.	152.	211.	276.	311.	371.	444.				
	006	G01	121.	12.	39.	58.	84.	105.	134.	185.	213.	219.				
	008	G01	1.	32.	32.	32.	32.	32.	32.	32.	32.	32.				
	009	G01	1.	6.	6.	6.	6.	6.	6.	6.	6.	6.				
	010	G01	1.	19.	19.	19.	19.	19.	19.	19.	19.	19.				
	011	G01	1.	39.	39.	39.	39.	39.	39.	39.	39.	39.				
	012	G01	1.	19.	19.	19.	19.	19.	19.	19.	19.	19.				
	013	A01	101.	1.	24.	49.	66.	97.	139.	169.	233.	253.				
	014	F01	6.	27.	27.	34.	37.	69.	72.	72.	72.	72.				
129 Grand Rapids	001	F01	5.	23.	23.	38.	43.	69.	78.	78.	78.	78.				
129 International Falls	001	A01	90.	2.	19.	52.	72.	97.	186.	214.	331.	331.				
129 St Louis Co	003	G01	123.	2.	9.	18.	27.	38.	81.	102.	115.	117.				
129 Silver Bay	006	F02	29.	6.	9.	13.	23.	44.	104.	170.	197.	197.				
	008	J02	17.	5.	9.	14.	24.	45.	126.	137.	137.	137.				
129 Virginia	001	G01	51.	5.	29.	41.	53.	76.	105.	132.	145.	145.				
130 Moorhead	001	A01	25.	18.	41.	48.	56.	84.	111.	114.	133.	133.	68.	30.30	61.85	1.61
	003	A01	61.	18.	37.	63.	91.	111.	170.	215.	359.	359.				
131 Hastings	005	F01	32.	3.	35.	48.	72.	111.	142.	343.	493.	493.				
131 Minneapolis	001	A01	25.	30.	44.	56.	72.	91.	98.	156.	161.	161.	76.	31.51	70.08	1.48
	001	F01	93.	18.	37.	51.	65.	80.	98.	129.	161.	161.	68.	27.96	62.97	1.49
	022	H01	3.	43.	43.	43.	47.	87.	87.	87.	87.	87.				
	028	A01	7.	30.	30.	67.	72.	91.	92.	92.	92.	92.				
131 St Paul	001	A01	25.	33.	40.	56.	67.	81.	127.	137.	138.	138.	74.	30.63	68.49	1.49
	001	H01	44.	1.	40.	57.	71.	91.	132.	138.	139.	139.	78.	33.74	65.85	2.36
	002	A01	7.	33.	33.	67.	72.	85.	127.	127.	127.	127.				
	003	H01	43.	65.	95.	112.	147.	189.	237.	268.	953.	953.	170.	134.37	147.25	1.62
	013	H01	43.	1.	44.	56.	66.	90.	133.	143.	275.	275.	79.	46.60	64.69	2.42
	014	H01	42.	45.	68.	86.	104.	133.	183.	197.	205.	205.	114.	42.02	106.74	1.45
	015	H01	41.	16.	42.	52.	63.	80.	105.	116.	122.	122.	68.	26.35	63.11	1.53
	016	H01	36.	24.	35.	45.	61.	83.	108.	122.	132.	132.	67.	28.80	61.30	1.56
	017	H01	6.	45.	45.	48.	48.	65.	85.	85.	85.	85.				

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
MINNESOTA – Cont.																
	018	H01	42	3.	9.	32.	46.	78.	125.	147.	267.	267.	63.	52.90	42.83	2.73
	021	H01	43	6.	41.	68.	77.	107.	131.	146.	154.	154.	84.	35.33	74.82	1.77
	023	H01	41	17.	39.	55.	64.	79.	104.	135.	143.	143.	69.	29.32	62.54	1.56
	024	H01	40	29.	36.	62.	70.	84.	111.	126.	141.	141.	75.	28.17	70.13	1.48
	025	H01	42	19.	32.	41.	57.	68.	102.	109.	131.	131.	61.	26.79	55.04	1.58
131 Stillwater	006	F01	18	4.	4.	23.	45.	62.	176.	574.	574.	574.				
131 Wayzata	001	F01	43	3.	16.	28.	39.	52.	88.	95.	127.	127.				
132 East Grand Forks	002	A01	35	8.	39.	68.	91.	148.	207.	281.	370.	370.				
132 Fergus Falls	001	F01	51	13.	25.	38.	65.	80.	94.	116.	138.	138.				
133 Hutchinson	001	F01	77	4.	23.	61.	89.	100.	146.	182.	269.	269.				
133 Marshall	001	F01	31	15.	31.	51.	60.	79.	159.	189.	194.	194.				
133 Ortonville	001	A01	12	24.	29.	32.	38.	53.	114.	169.	169.	169.				
133 Willmar	001	F01	22	16.	41.	50.	61.	71.	108.	143.	143.	143.				
133 Worthington	001	F01	56	3.	18.	31.	51.	72.	103.	136.	152.	152.				
MISSISSIPPI																
005 Jackson	002	A01	21	34.	46.	62.	100.	114.	134.	155.	317.	317.				
005 Jackson Co	001	A03	19	16.	17.	27.	32.	39.	63.	72.	72.	72.				
MISSOURI																
070 St Charles	001	F01	10	35.	35.	49.	66.	87.	116.	128.	128.	128.				
	002	F01	12	16.	22.	25.	50.	66.	78.	94.	94.	94.				
070 St Louis	001	A01	23	62.	91.	123.	202.	245.	336.	414.	480.	480.	213.	111.16	185.75	1.74
	002	A10	164	40.	71.	97.	124.	157.	229.	252.	354.	356.	136.	60.83	123.62	1.56
	002	H01	164	40.	71.	97.	124.	157.	229.	252.	354.	356.	136.	60.83	123.62	1.56
	003	H01	22	92.	104.	119.	133.	175.	222.	238.	382.	382.				
	006	H01	18	76.	79.	98.	154.	195.	400.	496.	496.	496.				
	007	H01	50	50.	66.	115.	155.	217.	290.	374.	438.	438.	174.	92.57	151.40	1.73
	012	HC1	36	30.	37.	79.	96.	108.	175.	189.	207.	207.	98.	41.35	89.39	1.59
	025	H01	19	37.	46.	85.	117.	134.	183.	186.	186.	186.				
	027	H01	14	52.	53.	92.	100.	130.	190.	221.	221.	221.				
	032	H01	19	69.	73.	106.	148.	198.	225.	244.	244.	244.				
	039	H01	7	53.	53.	133.	152.	186.	575.	575.	575.	575.				
094 Kansas City	001	A01	1	115.	115.	115.	115.	115.	115.	115.	115.	115.				
	002	A01	24	49.	72.	86.	97.	135.	178.	187.	261.	261.	116.	49.73	106.63	1.50
	002	H01	63	1.	1.	78.	97.	137.	186.	216.	261.	261.	102.	61.98	50.72	6.97
	003	H01	61	1.	54.	68.	78.	102.	125.	149.	194.	194.	86.	36.81	70.25	2.67
	004	H01	61	1.	36.	72.	86.	112.	174.	211.	232.	232.	97.	55.76	58.31	5.12
	005	H01	61	1.	1.	74.	96.	121.	156.	174.	329.	329.	95.	61.35	43.60	7.64
	010	H01	61	1.	35.	56.	74.	94.	123.	132.	162.	162.	75.	37.43	49.67	4.24
	011	H01	61	1.	1.	133.	187.	233.	349.	490.	553.	553.	195.	135.67	90.10	8.09
	012	H01	61	1.	1.	89.	104.	132.	153.	167.	331.	331.	105.	54.96	60.20	5.84
	018	H01	60	1.	20.	58.	86.	98.	129.	161.	234.	234.	82.	45.99	53.21	4.42
	023	H01	60	1.	1.	45.	69.	128.	257.	305.	551.	551.	108.	106.97	41.01	8.13
094 St Joseph	002	F01	48	24.	49.	69.	83.	103.	168.	251.	640.	640.				
	003	F01	47	40.	51.	67.	80.	119.	174.	226.	350.	350.				
137 Columbia	001	F01	53	15.	28.	42.	50.	59.	85.	113.	145.	145.	54.	25.22	48.29	1.60
	002	F01	47	15.	32.	43.	65.	81.	107.	139.	186.	186.	68.	35.81	59.25	1.70
	003	F01	47	17.	22.	46.	58.	76.	93.	114.	170.	170.	62.	33.50	53.80	1.75
	005	F01	25	16.	22.	30.	34.	51.	76.	81.	90.	90.				
137 Mexico	001	F01	33	15.	21.	29.	36.	47.	59.	67.	115.	115.				
	002	F01	26	42.	51.	74.	89.	154.	257.	314.	325.	325.				
	003	F01	23	45.	49.	60.	70.	100.	120.	121.	142.	142.				
138 Cape Girardeau	001	F01	15	33.	37.	43.	65.	80.	118.	141.	141.	141.				
	002	F01	15	19.	28.	45.	55.	87.	134.	161.	161.	161.				
138 Poplar Bluff	001	F01	24	31.	34.	80.	130.	228.	397.	464.	639.	639.				
	002	F01	22	8.	20.	30.	35.	57.	79.	81.	128.	128.				
138 Sikeston	001	F01	24	21.	23.	34.	50.	73.	102.	107.	171.	171.				
	002	F01	23	7.	29.	34.	58.	92.	108.	127.	141.	141.				
139 Joplin	001	F01	49	16.	27.	43.	51.	57.	80.	85.	102.	102.	52.	18.99	48.11	1.47
	002	F01	29	28.	39.	51.	71.	94.	174.	181.	279.	279.				
139 Shannon Co	002	A03	24	9.	10.	18.	24.	32.	61.	76.	130.	130.	33.	26.91	26.46	1.94
MONTANA																
141 Glacier Nat Park	001	A03	28	2.	4.	9.	9.	12.	37.	43.	56.	56.	14.	12.56	10.74	2.18

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
MONTANA — Cont.																
142 Helena	001	A01	25	15.	20.	35.	53.	73.	99.	113.	129.	129.	58.	31.68	48.97	1.86
144 Missoula Co	001	G01	210	14.	45.	71.	112.	155.	260.	346.	683.	926.				
NEBRASKA																
085 Omaha	001	A01	26	29.	62.	91.	104.	128.	163.	266.	287.	287.	115.	56.99	103.41	1.61
145 Lincoln	001	A01	1	37.	37.	37.	37.	37.	37.	37.	37.	37.				
	002	A01	15	48.	48.	70.	79.	101.	126.	146.	146.	146.				
146 Thomas Co	001	A03	26	6.	9.	12.	14.	20.	39.	40.	43.	43.	18.	10.52	16.09	1.69
NEVADA																
013 Las Vegas	001	A01	22	28.	47.	83.	112.	149.	204.	211.	236.	236.	119.	59.85	102.33	1.82
147 White Pine Co	001	A03	23	5.	6.	8.	12.	15.	23.	23.	32.	32.	13.	6.78	11.78	1.65
148 Reno	001	A01	26	22.	38.	91.	106.	171.	337.	538.	854.	854.	178.	179.48	126.61	2.28
	003	I01	40	46.	62.	83.	98.	116.	151.	178.	233.	233.				
	004	G01	39	22.	29.	40.	58.	70.	104.	178.	181.	181.				
148 Sparks	001	G01	29	34.	54.	71.	98.	158.	373.	388.	452.	452.				
	002	I01	40	22.	29.	46.	56.	71.	119.	145.	191.	191.				
148 Washoe Co	002	I01	33	9.	14.	16.	27.	32.	42.	55.	69.	69.				
NEW HAMPSHIRE																
107 Coos Co	001	A03	23	5.	8.	11.	15.	17.	29.	59.	61.	61.	18.	14.38	14.68	1.86
121 Concord	001	A01	25	13.	18.	25.	33.	43.	58.	59.	60.	60.	35.	14.40	32.01	1.56
NEW JERSEY																
043 Asbury Park	002	F01	52	40.	45.	52.	61.	77.	96.	105.	120.	120.	67.	20.50	64.08	1.34
043 Bayonne	001	A01	20	7.	31.	67.	88.	114.	141.	168.	195.	195.				
	004	F01	57	1.	43.	68.	86.	104.	152.	199.	203.	203.	92.	43.99	77.54	2.25
043 Bloomfield	002	F01	45	18.	27.	36.	49.	77.	151.	209.	264.	264.	73.	59.97	56.50	1.98
043 Bound Brook	001	F01	5	37.	37.	51.	78.	82.	109.	109.	109.	109.				
043 Carteret	001	F01	54	40.	49.	73.	88.	100.	136.	148.	198.	198.	91.	34.78	84.27	1.47
043 Dover	001	F01	32	21.	44.	56.	69.	94.	107.	134.	228.	228.				
043 East Orange	002	F01	50	26.	42.	51.	61.	86.	115.	152.	226.	226.	76.	38.15	68.38	1.55
043 Elizabeth	001	A01	25	31.	45.	60.	72.	87.	100.	124.	126.	126.	74.	23.96	70.22	1.41
043 Essex Co	001	F01	52	11.	25.	33.	44.	56.	108.	160.	174.	174.	55.	37.87	45.77	1.80
043 Fairview	001	F01	48	36.	52.	74.	94.	120.	160.	181.	266.	266.	103.	45.28	94.38	1.54
043 Fort Lee	001	F01	56	38.	53.	76.	91.	127.	194.	211.	224.	224.	108.	49.61	97.91	1.59
043 Hackensack	002	F01	26	41.	47.	69.	89.	104.	127.	139.	169.	169.				
043 Hoboken	001	F01	33	48.	82.	97.	113.	141.	169.	287.	316.	316.				
043 Irvington	001	F01	49	16.	35.	47.	56.	80.	142.	175.	201.	201.	72.	43.18	62.53	1.71
043 Jersey City	001	A01	26	49.	56.	65.	87.	97.	121.	126.	200.	200.	89.	32.40	83.97	1.39
	003	F01	52	58.	74.	87.	102.	131.	173.	203.	317.	317.	117.	48.44	109.40	1.42
	004	F01	57	49.	58.	78.	97.	120.	208.	313.	319.	319.	119.	67.53	105.43	1.62
043 Linden	001	F01	55	34.	54.	69.	75.	98.	127.	147.	173.	173.	84.	29.46	79.60	1.41
043 Middlesex C.	001	F01	41	21.	39.	48.	58.	77.	102.	116.	145.	145.	67.	28.43	61.65	1.52
043 Monmouth Co	001	F01	44	15.	26.	35.	42.	56.	84.	93.	165.	165.	50.	26.20	44.45	1.58
043 Morristown	002	F01	45	21.	30.	38.	52.	56.	79.	83.	109.	109.	52.	19.51	48.39	1.46
043 Newark	001	A01	25	35.	44.	55.	74.	87.	98.	105.	166.	166.	74.	27.62	69.88	1.42
	003	F01	46	46.	63.	95.	116.	158.	238.	267.	616.	616.	140.	91.66	122.47	1.64
043 New Brunswick	001	F01	22	27.	39.	46.	55.	63.	95.	112.	125.	125.				
043 Orange	001	F01	49	27.	38.	55.	68.	88.	119.	172.	245.	245.	79.	41.37	71.04	1.58
043 Passaic	001	F01	30	36.	40.	48.	52.	62.	96.	98.	141.	141.	62.	23.16	58.28	1.39
043 Paterson	001	A01	25	40.	44.	65.	81.	87.	115.	148.	149.	149.	80.	28.98	75.56	1.44
	001	F01	68	23.	40.	52.	62.	81.	115.	138.	156.	156.	72.	29.65	66.89	1.48
043 Perth Amboy	001	A01	24	27.	31.	68.	83.	98.	111.	115.	120.	120.	79.	28.50	72.80	1.57
	002	F01	49	36.	46.	66.	73.	87.	112.	146.	184.	184.	79.	29.32	74.32	1.41
043 Red Bank	001	F01	40	35.	38.	50.	58.	71.	90.	91.	110.	110.	63.	19.03	59.93	1.35
043 Roselle	001	F01	58	38.	51.	64.	77.	93.	121.	170.	218.	218.	84.	35.33	78.32	1.44
043 Sayreville	001	F01	15	34.	47.	58.	85.	100.	118.	260.	260.	260.				
043 Somerville	002	F01	56	19.	30.	43.	61.	77.	100.	147.	167.	167.	65.	32.19	58.23	1.62
043 Union City	001	F01	54	41.	62.	76.	85.	101.	149.	175.	220.	220.	94.	35.21	88.61	1.40
043 Westwood	001	F01	46	24.	31.	44.	50.	64.	107.	126.	157.	157.	60.	29.65	53.89	1.57
045 Camden	001	A01	24	58.	77.	103.	125.	143.	164.	191.	194.	194.	127.	34.99	121.77	1.35
045 Camden Co	002	A01	26	24.	36.	53.	65.	84.	109.	112.	145.	145.	70.	27.85	64.45	1.52
045 Glassboro	001	A01	25	15.	37.	51.	64.	78.	112.	125.	140.	140.	69.	29.63	62.92	1.61

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					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
NEW JERSEY — Cont.																
045 Hamilton	001	A01	23	28.	34.	55.	71.	85.	93.	110.	130.	130.	70.	24.39	65.77	1.46
045 Trenton	001	A01	24	41.	47.	60.	66.	88.	119.	127.	147.	147.	77.	29.19	71.81	1.44
	001	F01	24	41.	47.	60.	66.	88.	119.	127.	147.	147.	77.	29.19	71.81	1.44
NEW MEXICO																
152 Albuquerque	001	A01	26	30.	47.	54.	71.	94.	133.	150.	209.	209.	83.	39.44	74.87	1.56
	001	H01	52	30.	47.	60.	79.	96.	147.	159.	209.	209.	86.	38.25	78.27	1.54
	004	H01	45	12.	34.	49.	57.	78.	107.	132.	185.	185.	67.	33.73	59.52	1.65
	005	H01	52	14.	42.	76.	103.	113.	162.	210.	231.	231.	101.	47 44	89.08	1.74
	006	H01	51	9.	21.	30.	35.	43.	61.	65.	85.	85.	38.	16.45	34.44	1.62
152 Bernalillo Co	001	H01	52	13.	31.	46.	64.	98.	135.	154.	202.	202.	76.	42.01	64.65	1 83
	002	H01	47	16.	27.	50.	62.	83.	113.	121.	207.	207.	70.	37.52	60.32	1.74
	011	H01	50	34.	47.	69.	95.	140.	220.	304.	574.	574.	125.	94.58	101.88	1.86
	021	H01	51	11.	26.	33.	41.	54.	77.	99.	196.	196.	50.	31.64	44.13	1.65
	031	H01	52	4.	7.	12.	15.	23.	33.	45.	101.	101.	20.	15.50	16.02	1.91
157 Rio Arriba Co	001	A03	20	5.	7.	10.	14.	23.	33.	37.	87.	87.				
NEW YORK																
043 Babylon	001	F01	59	17.	29.	48.	57.	74.	100.	132.	291.	291.	67.	44.43	58.24	1.68
043 Freeport	001	F01	58	30.	50.	67.	84.	99.	139.	149.	179.	179.	88.	34.07	81.60	1.49
043 Garden City	001	F01	59	23.	33.	48.	62.	71.	103.	105.	130.	130.	63.	23.62	58.27	1.48
043 Glen Cove	001	F01	56	33.	58.	90.	114.	141.	200.	232.	244.	244.	121.	51.75	109.86	1.58
043 Hempstead	001	F01	52	50.	64.	76.	94.	128.	190.	273.	421.	421.	119.	71.41	104.87	1.60
	004	F01	51	25.	55.	78.	97.	137.	214.	248.	289.	289.	116.	63.32	100.25	1.74
043 Kings Point	001	F01	60	24.	41.	63.	85.	101.	134.	155.	222.	222.	87.	40.84	78.30	1.62
043 Mount Vernon	001	F01	61	26.	43.	55.	71.	90.	114.	127.	169.	169.	76.	31.21	70.41	1.50
043 Nassau Co	001	F01	57	24.	37.	64.	76.	96.	142.	167.	177.	177.	83.	36.40	75.40	1.58
	002	F01	55	29.	47.	59.	80.	99.	133.	142.	163.	163.	83.	31.92	77.08	1.51
	003	F01	7	75.	75.	94.	98.	118.	171.	171.	171.	171.				
	004	F01	58	20.	40.	52.	69.	83.	112.	123.	142.	142.	72.	28.72	66.22	1.55
	005	F01	52	29.	52.	62.	75.	92.	119.	131.	151.	151.				
043 New Rochelle	002	F01	56	36.	52.	74.	86.	104.	146.	154.	157.	157.	91.	32.41	85.39	1.44
043 New York City	001	A01	24	19.	42.	84.	104.	152.	264.	301.	354.	354.	131.	85.63	105.47	2.01
	001	F01	76	19	60.	84.	106.	130.	171.	224.	354.	354.	115.	53.04	104.40	1.59
	050	F01	4	51.	51.	55.	55.	70.	82.	82.	82.	82				
043 North Tarrytown	001	F01	61	16.	28.	40.	55.	71.	107.	115.	218.	218.	62.	34.57	54.28	1.69
043 Ossining	001	F01	58	13.	30.	47.	61.	79.	101.	107.	126.	126.	64.	26.20	58.32	1.59
043 Peekskill	001	F01	61	22.	34.	51.	68.	93.	134.	149.	180.	180.	77.	39.06	67.78	1.70
043 Port Chester	001	F01	53	28.	39.	54.	63.	83.	101.	114.	163.	163.	70.	27.80	64.61	1.49
043 Rockland Co	001	F01	61	19.	28.	35.	47.	64.	95.	98.	117.	117.	55.	26.35	48.90	1.61
043 Rockville Centre	001	F01	57	40.	66.	90.	110.	139.	188.	211.	273.	273.	120.	49.62	110.68	1.50
043 Rye	001	F01	59	29.	42.	59.	65.	75.	121.	128.	175.	175.	71.	26.92	67.03	1.41
043 Southampton	001	F01	60	13.	25.	32.	38.	44.	56.	65.	157.	157.	42.	23.79	38.19	1.54
043 Suffern	001	F01	58	17.	23.	38.	48.	66.	98.	106.	126.	126.	56.	27.49	48.88	1.69
043 Suffolk Co	001	F01	55	20.	32.	40.	47.	65.	92.	102.	217.	217.	57.	30.74	51.16	1.54
	002	F01	56	14.	23.	41.	60.	89	266.	353.	492.	492.	100.	108.58	67.69	2.32
	011	F01	60	15	27.	36.	51.	61.	81.	93.	117.	117.	52.	23.11	47.41	1.59
	022	F01	39	10.	25.	47.	55.	67.	80.	101.	141.	141.				
043 Westchester Co	001	F01	21	19.	23.	58.	69.	77.	88.	91.	98.	98.				
	003	F01	60	12.	15.	26.	34.	47.	72.	88.	134.	134.	42.	25.29	35.55	1.77
	005	F01	36	12.	17.	26.	39.	58.	100.	103.	115.	115.				
043 White Plains	001	F01	58	30.	48.	62.	77.	91.	135.	151.	187.	187.	83.	32.98	76.66	1.48
043 Yonkers	001	A01	27	47.	51.	66.	106.	127.	175.	182.	210.	210.				
	004	G01	33	37.	62.	72.	130.	157.	220.	224.	227.	227.				
158 Auburn	001	F01	24	9.	16.	33.	42.	53.	88.	90.	137.	137.				
	002	F01	23	13.	20.	31.	40.	52.	70.	89.	126.	126.				
158 Canastota	001	F01	24	15.	27.	35.	38.	54.	90.	105.	121.	121.	49.	25.69	44 03	1.61
158 Cortland	001	F01	42	11.	21.	31.	41.	73.	115.	156.	177.	177.				
158 Cortland Co	001	F01	22	10.	15.	22.	29.	44.	55.	92.	98.	98.	37.	22.85	31.28	1.78
158 East Syracuse	001	F01	57	27.	45.	64.	96.	125.	193.	198.	211.	211.	102.	52.78	88.88	1.73
158 Fulton	001	F01	19	15.	15.	28.	40.	62.	74.	120.	120.	120.				
158 Hamilton	001	F01	24	12.	17.	23.	27.	37.	52.	82.	97.	97.				
158 Jefferson Co	001	A03	25	11.	13.	23.	30.	36.	73.	74.	91.	91.	34.	21.02	22.05	1.77
158 Oneida	001	F01	24	16.	20	28.	39.	58.	92.	101.	127.	127.				
158 Onondaga Co	001	F01	58	11.	16.	27.	40.	57.	82.	103.	127.	127.	46.	27.18	38.86	1.81
	002	F01	49	22.	33.	48.	72.	114.	196.	264.	361.	361.	97.	74.94	75.60	2.00

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
NEW YORK — Cont.																
	003	F01	51	18.	41.	63.	81.	125.	188.	217.	225.	225.	102.	58.20	86.25	1.83
	011	F01	21	10.	17.	25.	34.	59.	119.	131.	143.	143.				
158 Oswego	001	F01	24	11.	17.	33.	41.	64.	73.	101.	138.	138.				
	002	F01	23	10.	16.	19.	28.	46.	67.	90.	136.	136.				
158 Rome	001	F01	58	12.	32.	40.	52.	70.	122.	143.	221.	221.	64.	40.25	55.00	1.74
158 Solvay	001	F01	49	23.	29.	36.	53.	67.	116.	131.	207.	207.	61.	38.69	52.21	1.69
158 Syracuse	001	A01	25	28.	56.	78.	97.	176.	194.	206.	312.	312.	116.	63.03	102.06	1.70
	001	F01	60	36.	49.	78.	113.	150.	188.	246.	320.	320.	123.	64.70	107.93	1.70
	002	F01	56	22.	43.	68.	94.	130.	156.	196.	228.	228.	101.	46.82	89.43	1.68
	003	F01	55	35.	53.	80.	104.	134.	191.	221.	252.	252.	114.	52.80	102.92	1.60
	004	F01	56	21.	39.	53.	84.	105.	160.	176.	301.	301.	91.	52.30	77.72	1.76
	005	F01	56	23.	40.	56.	81.	107.	175.	192.	294.	294.	95.	56.64	80.59	1.77
158 Utica	001	A01	31	24.	32.	44.	80.	91.	137.	156.	159.	159.	78.	39.79	68.59	1.72
	001	F01	62	28.	38.	58.	78.	108.	159.	172.	335.	335.	91.	54.61	78.53	1.73
158 Watertown	001	F01	52	17.	23.	36.	43.	57.	103.	112.	125.	125.	52.	27.15	46.50	1.63
159 Glens Falls	001	F01	51	17.	25.	37.	49.	56.	72.	88.	117.	117.	50.	20.49	45.76	1.53
159 Ogdensburg	001	F01	43	12.	25.	39.	48.	63.	91.	110.	126.	126.	54.	26.98	47.86	1.69
159 Plattsburgh	002	F01	54	8.	16.	21.	29.	42.	65.	76.	85.	85.	35.	19.10	30.04	1.73
159 Saranac Lake	001	F01	56	11.	16.	22.	33.	50.	84.	95.	111.	111.	42.	26.27	34.47	1.87
160 Geneva	001	F01	20	18.	20.	30.	43.	67.	96.	109.	128.	128.				
160 Monroe Co	001	F01	61	16.	27.	49.	68.	90.	123.	146.	226.	226.	76.	44.16	63.80	1.87
	002	F01	61	10.	20.	38.	51.	64.	106.	127.	173.	173.	59.	35.68	48.92	1.87
	003	F01	35	11.	19.	29.	53.	65.	85.	125.	175.	175.				
160 Rochester	001	A01	26	47.	73.	95.	106.	125.	190.	199.	213.	213.	116.	41.19	109.24	1.42
	001	F01	63	30.	58.	74.	103.	127.	181.	200.	244.	244.	109.	48.63	99.01	1.59
	002	F01	61	18.	45.	69.	79.	94.	126.	132.	196.	196.	83.	33.42	75.09	1.62
	003	F01	59	21.	42.	70.	101.	131.	174.	218.	227.	227.	108.	50.49	95.10	1.70
160 Webster	001	F01	61	10.	21.	40.	48.	62.	75.	96.	177.	177.	52.	31.12	45.09	1.76
161 Albany	001	A01	25	26.	31.	57.	70.	97.	131.	135.	174.	174.	79.	37.57	70.30	1.66
	001	F01	76	15.	29.	45.	64.	90.	135.	173.	182.	182.	75.	42.48	63.68	1.78
	002	F01	56	37.	62.	83.	110.	131.	203.	211.	286.	286.	117.	50.80	106.71	1.54
161 Amsterdam	001	F01	49	19.	31.	44.	59.	70.	93.	106.	390.	390.	66.	52.80	56.66	1.63
161 Cohoes	001	F01	57	11.	22.	36.	53.	82.	124.	139.	220.	220.	65.	42.74	52.97	1.94
161 Colonie	001	F01	51	23.	33.	50.	66.	80.	111.	132.	146.	146.	67.	29.45	61.08	1.55
161 Columbia Co	001	F01	61	11.	20.	26.	33.	43.	68.	82.	116.	116.	39.	22.14	34.15	1.64
	002	F01	56	4.	12.	21.	28.	39.	51.	72.	78.	78.	32.	16.62	27.32	1.77
161 Dutchess Co	001	F01	57	10.	21.	26.	30.	45.	73.	92.	128.	128.	41.	24.07	35.13	1.69
161 Ellenville	001	F01	57	16.	28.	57.	72.	95.	132.	139.	177.	177.	77.	37.78	66.83	1.78
161 Hudson	001	F01	60	22.	29.	36.	42.	60.	86.	104.	187.	187.	55.	29.53	49.11	1.59
161 Johnstown	001	F01	54	11.	17.	28.	35.	45.	68.	92.	108.	108.	41.	21.56	35.89	1.68
161 Kingston	001	F01	58	14.	36.	55.	72.	91.	112.	126.	149.	149.	74.	28.83	67.58	1.59
161 Newburgh	001	F01	47	28.	38.	53.	71.	96.	136.	152.	181.	181.	80.	37.85	72.15	1.61
161 New Paltz	001	F01	61	12.	41.	63.	77.	108.	148.	193.	278.	278.	93.	53.39	79.78	1.76
161 Poughkeepsie	001	F01	60	6.	28.	38.	45.	62.	120.	133.	145.	145.	59.	34.63	49.91	1.83
161 Rensselaer	001	F01	46	19.	29.	46.	57.	99.	181.	183.	210.	210.	81.	54.35	65.65	1.92
161 Rensselaer Co	001	F01	59	16.	31.	54.	70.	89.	120.	144.	167.	167.	74.	33.33	66.27	1.66
	011	F01	57	1.	10.	15.	23.	34.	58.	74.	141.	141.	30.	23.39	22.69	2.22
	021	F01	45	19.	38.	49.	54.	67.	119.	138.	219.	219.				
161 Saugerties	001	F01	50	17.	35.	66.	84.	110.	156.	193.	200.	200.	91.	46.16	78.29	1.81
161 Schenectady	001	F01	60	5.	28.	46.	64.	82.	113.	122.	142.	142.	68.	32.77	59.12	1.81
	002	F01	60	14.	29.	42.	62.	89.	142.	150.	164.	164.	73.	40.99	61.84	1.80
161 Schenectady Co	001	F01	53	10.	15.	19.	29.	38.	63.	70.	99.	99.	32.	19.02	28.01	1.70
	011	F01	60	10.	22.	35.	44.	56.	73.	90.	117.	117.	48.	22.90	42.45	1.64
161 Schoharie Co	002	F01	57	9.	26.	32.	44.	57.	80.	93.	102.	102.	48.	21.69	43.02	1.61
161 Troy	002	F01	54	14.	21.	34.	41.	56.	89.	148.	239.	239.	54.	41.78	44.50	1.81
161 Ulster Co	002	F01	58	30.	42.	60.	76.	111.	199.	312.	394.	394.	108.	81.93	87.82	1.86
162 Akron	001	F01	23	13.	21.	30.	44.	54.	114.	132.	150.	150.				
162 Buffalo	001	A01	24	47.	54.	74.	85.	94.	132.	144.	174.	174.	90.	30.81	85.35	1.39
	001	F01	77	29.	49.	67.	87.	99.	144.	176.	263.	263.	91.	41.28	83.44	1.54
	002	F01	58	23.	44.	67.	82.	99.	160.	266.	493.	493.	97.	71.34	82.87	1.67
	003	F01	53	29.	78.	139.	193.	279.	408.	834.	978.	978.	245.	196.36	192.66	2.02
	005	F01	38	36.	56.	85.	121.	164.	188.	221.	259.	259.				
162 Cheektowaga	001	F01	59	31.	47.	88.	119.	144.	202.	305.	407.	407.	125.	73.05	107.64	1.75
162 Erie Co	011	F01	56	14.	21.	28.	38.	45.	71.	86.	332.	332.	45.	43.03	37.63	1.68
162 Lackawanna	001	F01	58	28.	79.	152.	182.	237.	309.	393.	402.	402.	196.	90.38	172.26	1.76
	002	F01	58	29.	65.	87.	115.	149.	202.	233.	342.	342.	127.	58.75	113.87	1.61
162 Lewiston	001	F01	58	13.	27.	40.	61.	93.	149.	160.	202.	202.	75.	46.32	62.05	1.89
162 Lockport	001	F01	47	16.	24.	49.	63.	75.	113.	142.	148.	148.	67.	33.41	58.05	1.75
	002	F01	56	18.	26.	47.	66.	81.	116.	130.	166.	166.	68.	33.44	59.72	1.72

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NEW YORK — Cont.																
	005	F01	58	21.	35.	55.	66.	93.	123.	142.	178.	178.	74.	34.90	66.27	1.62
	006	F01	56	6.	17.	30.	43.	58.	92.	143.	151.	151.	49.	33.10	39.47	2.00
162 Niagara Co	001	F01	58	10.	17.	34.	44.	64.	93.	111.	142.	142.	53.	30.79	43.73	1.92
	002	F01	59	11.	20.	46.	56.	81.	124.	135.	164.	164.	66.	36.53	56.01	1.87
162 Niagara Falls	001	A01	26	33.	40.	71.	107.	126.	180.	188.	204.	204.	106.	50.22	93.24	1.72
	001	F01	61	35.	53.	76.	99.	123.	165.	188.	369.	369.	109.	56.66	97.23	1.61
	002	F01	23	63.	69.	87.	122.	142.	206.	339.	484.	484.				
	006	F01	35	28.	71.	121.	150.	205.	305.	351.	382.	382.				
	007	F01	61	45.	142.	215.	281.	325.	634.	650.	774.	774.	312.	173.51	267.10	1.81
162 North Tonawanda	001	F01	59	26.	57.	89.	114.	135.	183.	218.	287.	287.	118.	51.42	106.74	1.60
	002	F01	59	16.	29.	60.	77.	94.	144.	175.	249.	249.	83.	45.67	71.03	1.80
	004	F01	57	36.	84.	161.	203.	311.	451.	577.	1348.	1348.	256.	197.81	208.05	1.91
	005	F01	61	31.	43.	77.	92.	122.	141.	175.	233.	233.	99.	42.99	90.08	1.58
	006	F01	7	31.	31.	140.	155.	164.	206.	206.	206.	206.				
162 Sloan	001	F01	57	11.	38.	74.	94.	116.	169.	258.	276.	276.	101.	56.68	86.73	1.80
162 Tonawanda	002	F01	57	26.	54.	91.	107.	140.	170.	200.	284.	284.	116.	47.91	105.52	1.61
163 Binghamton	002	F01	59	37.	45.	63.	79.	89.	113.	133.	180.	180.	80.	26.91	76.23	1.40
	003	F01	58	24.	39.	57.	71.	84.	123.	146.	236.	236.	77.	36.74	69.46	1.56
163 Broome Co	001	F01	59	11.	25.	34.	45.	54.	92.	105.	337.	337.	53.	43.75	45.21	1.70
163 Endicott	001	F01	44	20.	23.	39.	54.	73.	95.	136.	176.	176.	60.	33.87	52.59	1.71
	002	F01	59	8.	31.	49.	61.	85.	143.	154.	276.	276.	75.	45.04	63.95	1.80
163 Johnson City	001	F01	61	6.	37.	58.	76.	96.	132.	178.	221.	221.	84.	44.66	72.14	1.81
163 Olenn	001	F01	18	17.	21.	31.	42.	56.	78.	96.	96.	96.	46.	22.01	41.40	1.64
164 Cattaraugus Co	001	F01	9	9.	9.	29.	30.	54.	90.	90.	90.	90.				
	002	F01	19	5.	12.	17.	25.	30.	51.	67.	67.	67.				
	003	F01	16	4.	7.	17.	23.	30.	42.	53.	53.	53.				
	004	F01	18	3.	11.	19.	28.	39.	51.	51.	51.	51.				
164 Chemung Co	002	F01	61	16.	27.	35.	45.	56.	85.	92.	123.	123.	50.	23.74	45.52	1.59
164 Corning	001	F01	20	34.	41.	46.	50.	75.	83.	106.	113.	113.				
164 Dunkirk	001	F01	35	22.	32.	39.	52.	78.	109.	146.	173.	173.				
164 Elmira	001	F01	61	23.	33.	46.	59.	69.	91.	97.	104.	104.	59.	20.45	55.87	1.44
164 Gowanda	001	F01	1	43.	43.	43.	43.	43.	43.	43.	43.	43.				
164 Granville	001	F01	8	18.	18.	25.	40.	56.	104.	104.	104.	104.				
164 Hornell	001	F01	26	24.	32.	43.	47.	67.	107.	108.	112.	112.				
164 Horseheads	001	F01	60	18.	25.	43.	50.	71.	100.	121.	147.	147.	61.	30.50	53.80	1.66
164 Ithaca	001	F01	57	21.	27.	38.	46.	59.	88.	100.	150.	150.	52.	24.57	47.57	1.53
164 Jamestown	001	F01	38	19.	36.	59.	69.	83.	124.	139.	187.	187.				
	002	F01	25	31.	48.	90.	111.	139.	160.	167.	251.	251.				
	003	F01	48	12.	17.	31.	46.	68.	86.	124.	137.	137.	53.	30.52	44.06	1.36
NORTH CAROLINA																
136 Greensboro	001	A01	24	62.	67.	87.	91.	103.	151.	165.	190.	190.	103.	33.93	98.41	1.36
	001	F01	24	62.	67.	87.	91.	103.	151.	165.	190.	190.	103.	33.93	98.41	1.36
136 Winston-Salem	002	A01	25	35.	43.	85.	102.	116.	166.	217.	234.	234.	106.	49.27	95.29	1.61
	002	G02	25	35.	43.	85.	102.	116.	166.	217.	234.	234.	106.	49.27	95.29	1.61
165 Catawba Co	001	G01	19	19.	23.	36.	48.	54.	70.	73.	73.	73.				
165 Hickory	001	G02	18	27.	37.	43.	47.	53.	68.	79.	79.	79.				
	002	G01	19	14.	27.	43.	55.	62.	85.	96.	96.	96.				
166 Durham	001	A01	26	54.	57.	65.	75.	97.	121.	121.	204.	204.	85.	31.73	80.97	1.36
	001	G01	26	54.	57.	65.	75.	97.	121.	121.	204.	204.	85.	31.73	80.97	1.36
167 Belmont	001	G02	37	90.	180.	290.	460.	550.	730.	940.	980.	980.	459.	219.27	401.39	1.75
167 Bessemer City	002	G01	35	37.	45.	76.	83.	94.	109.	113.	122.	122.				
167 Charlotte	001	A01	24	29.	56.	76.	90.	117.	212.	212.	215.	215.	108.	52.73	95.47	1.68
	001	G01	44	13.	39.	76.	91.	120.	159.	212.	215.	215.	101.	47.77	88.59	1.76
	002	G01	33	33.	59.	88.	120.	143.	170.	180.	198.	198.				
	003	G01	30	33.	71.	86.	103.	120.	134.	152.	204.	204.				
	004	G01	32	17.	34.	66.	84.	104.	123.	134.	212.	212.				
	005	G01	32	14.	72.	48.	57.	83.	99.	100.	134.	134.				
	006	G01	35	30.	41.	71.	97.	126.	155.	175.	176.	176.				
	007	G01	26	15.	28.	41.	55.	64.	93.	107.	144.	144.				
	008	G01	35	22.	30.	55.	67.	88.	103.	106.	113.	113.				
	009	G02	32	21.	28.	45.	52.	81.	97.	129.	167.	167.				
	010	G01	29	13.	56.	84.	99.	114.	164.	179.	192.	192.				
	011	G01	9	27.	27.	39.	65.	73.	103.	103.	103.	103.				
	012	G01	3	71.	71.	71.	95.	106.	106.	106.	106.	106.				
167 Cherryville	001	G01	37	36.	44.	63.	77.	91.	101.	121.	257.	257.	79.	36.94	73.46	1.46
167 Cramerton	001	G01	36	38.	52.	70.	80.	95.	147.	176.	191.	191.				
167 Dallas	001	G01	38	31.	41.	60.	79.	99.	142.	205.	266.	266.	88.	47.90	78.26	1.62

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
NORTH CAROLINA — Cont.																
	003	G01	32	30.	50.	59.	98.	111.	122.	132.	264.	264.				
167 Davidson	001	G01	32	19.	39.	55.	67.	87.	136.	141.	170.	170.				
	002	G02	27	18.	23.	41.	50.	57.	74.	81.	93.	93.				
167 Gastonia	002	G02	37	62.	91.	122.	165.	210.	277.	296.	318.	318.	173.	70.77	157.94	1.55
	003	G01	36	19.	46.	62.	80.	106.	134.	140.	147.	147.	85.	32.74	78.07	1.56
167 Landis	001	G01	16	27.	33.	54.	66.	72.	106.	110.	110.	110.				
167 Mecklenburg Co	001	G01	29	17.	21.	38.	56.	72.	101.	103.	120.	120.				
	002	G01	19	1.	20.	35.	39.	49.	77.	99.	99.	99.				
167 Mount Holly	001	G02	35	42.	55.	72.	87.	114.	156.	206.	209.	209.				
167 Rowan Co	001	G03	15	35.	50.	65.	89.	100.	124.	142.	142.	142.				
	002	G01	17	32.	36.	61.	75.	84.	153.	161.	161.	161.				
	004	G01	14	63.	76.	105.	122.	149.	169.	188.	188.	188.				
	005	G02	14	42.	74.	80.	97.	109.	121.	130.	130.	130.				
167 Salisbury	002	G01	16	38.	51.	70.	79.	98.	242.	250.	250.	250.				
168 Cape Hatteras Nat Park	001	A03	24	14.	19.	31.	50.	95.	170.	188.	234.	234.	75.	59.14	55.89	2.25
NORTH DAKOTA																
130 Fargo	001	F01	26	22.	25.	32.	49.	67.	74.	81.	132.	132.	53.	24.98	47.57	1.60
172 Bismarck	001	F01	26	20.	34.	48.	70.	90.	139.	164.	243.	243.	82.	49.11	69.81	1.78
172 Minot	001	F01	12	2.	14.	29.	39.	61.	87.	119.	119.	119.				
172 Ward Co	002	F01	21	5.	12.	14.	20	29.	41.	48.	52.	52.				
OHIO																
079 Cincinnati	001	A01	26	53.	62.	82.	93.	133.	182.	188.	385.	385.	117.	67.59	104.42	1.57
	001	H01	37	44.	62.	81.	86.	113.	182.	217.	385.	385.	111.	62.32	99.84	1.55
	002	A01	29	12.	29.	43.	70.	98.	125.	127.	145.	145.	74.	36.21	64.35	1.82
	002	H01	42	12.	51.	75.	86.	108.	174.	188.	385.	385.	105.	62.92	89.95	1.78
	003	A01	29	58.	65.	90.	101.	113.	219.	221.	233.	233.	111.	45.88	104.27	1.43
	003	A10	193	28.	62.	83.	103.	130.	183.	219.	284.	288.	114.	50.06	104.16	1.53
079 Hamilton	001	F01	12	41.	52.	74.	88.	108.	123.	142.	142.	142.				
103 Akron	001	H01	25	31.	42.	73.	109.	133.	167.	180.	224.	224.	105.	49.86	92.77	1.72
124 Oregon	002	H01	23	30.	34.	54.	63.	77.	110.	110.	117.	117.	66.	26.64	61.35	1.51
124 Rossford	001	H01	23	15.	30.	44.	62.	97.	107.	155.	218.	218.	73.	45.71	61.58	1.84
124 Toledo	001	A01	26	27.	40.	64.	70.	89.	126.	126.	135.	135.	76.	27.56	70.66	1.48
	003	H01	19	29.	35.	46.	92.	122.	192.	195.	195.	195.				
	012	H01	23	34.	68.	87.	121.	159.	319.	339.	405.	405.	144.	95.27	120.28	1.85
	013	H01	23	23.	25.	47.	71.	98.	156.	163.	172.	172.	79.	45.49	66.48	1.85
	014	H01	22	34.	46.	65.	85.	112.	133.	172.	221.	221.	94.	44.73	84.91	1.59
	015	H01	24	34.	38.	81.	93.	121.	192.	229.	272.	272.	109.	60.14	94.89	1.74
	016	H01	24	26.	43.	78.	103.	150.	374.	472.	519.	519.	158.	135.97	116.56	2.22
	017	H01	23	36.	37.	78.	103.	129.	181.	231.	270.	270.	110.	58.59	96.56	1.71
	018	H01	24	26.	33.	57.	70.	89.	121.	134.	151.	151.	76.	32.43	69.08	1.59
	019	H01	21	38.	49.	79.	95.	116.	148.	174.	193.	193.				
173 Dayton	001	A01	25	44.	53.	77.	91.	112.	168.	186.	188.	188.	101.	43.23	93.17	1.53
	001	F01	25	44.	53.	77.	91.	112.	168.	186.	188.	188.	101.	43.23	93.17	1.53
174 Akron	001	A01	25	31.	42.	73.	109.	133.	167.	180.	224.	224.	105.	49.86	92.77	1.72
	002	H01	45	36.	50.	65.	85.	106.	147.	164.	176.	176.	93.	37.70	85.38	1.51
	004	H01	44	33.	49.	68.	91.	106.	146.	167.	184.	184.	92.	38.17	84.03	1.55
	005	H01	41	38.	50.	75.	102.	138.	153.	161.	238.	238.	105.	44.71	95.46	1.57
	006	H01	33	44.	66.	87.	106.	129.	160.	197.	220.	220.	110.	40.45	102.94	1.46
174 Barberton	001	H01	45	33.	60.	83.	100.	118.	142.	162.	239.	239.	104.	37.54	97.20	1.45
174 Canton	001	A01	26	40.	58.	77.	97.	109.	149.	181.	185.	185.	99.	36.70	92.88	1.45
	001	H02	83	40.	81.	97.	113.	152.	200.	220.	256.	256.	128.	47.83	119.90	1.45
	002	H01	61	17.	47.	73.	94.	122.	159.	188.	221.	221.	100.	45.55	88.90	1.67
	003	H02	59	55.	66.	91.	129.	164.	236.	254.	320.	320.	141.	62.42	127.82	1.57
	004	H02	59	16.	60.	82.	115.	158.	200.	235.	279.	279.	126.	57.89	112.10	1.68
	005	H02	61	33.	86.	126.	149.	198.	241.	282.	328.	328.	163.	66.38	148.66	1.56
	006	H02	61	40.	61.	88.	112.	151.	205.	214.	322.	322.	124.	55.33	112.95	1.57
	008	H01	55	32.	49.	68.	101.	131.	193.	213.	826.	826.	119.	108.81	98.59	1.75
	011	H01	60	62.	100.	119.	158.	185.	237.	248.	344.	344.	163.	58.18	153.27	1.43
174 Cleveland	001	A01	25	44.	64.	77.	115.	141.	226.	228.	389.	389.	128.	75.08	111.91	1.69
	001	H01	72	49.	77.	95.	128.	158.	219.	253.	303.	303.	135.	55.58	124.47	1.51
	003	H01	73	31.	48.	70.	92.	122.	152.	159.	231.	231.	97.	41.77	88.55	1.57
	005	H01	73	64.	78.	103.	114.	146.	185.	202.	287.	287.	126.	42.96	119.38	1.38
	006	H01	72	31.	48.	59.	74.	100.	126.	149.	191.	191.	83.	34.69	76.55	1.51

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
OHIO — Cont.																
	007	H01	73	28.	42.	56.	70.	99.	136.	154.	181.	181.	82.	38.07	73.55	1.60
	008	H01	73	96.	125.	179.	247.	284.	351.	400.	443.	443.	243.	86.93	226.39	1.47
	009	H01	70	41.	59.	84.	106.	134.	180.	259.	326.	326.	119.	59.22	107.38	1.57
	010	H01	68	28.	48.	67.	81.	110.	160.	198.	267.	267.	95.	47.72	84.46	1.63
	011	H01	71	28.	42.	63.	88.	112.	151.	169.	203.	203.	93.	42.73	83.72	1.63
	012	H01	72	58.	86.	105.	151.	202.	318.	492.	871.	871.	189.	136.15	158.15	1.76
	013	H01	71	87.	112.	148.	182.	249.	414.	481.	608.	608.	226.	118.24	200.51	1.62
	015	H01	68	42.	62.	84.	98.	122.	150.	170.	218.	218.	104.	37.66	97.77	1.43
	017	H01	70	47.	73.	102.	133.	159.	224.	307.	345.	345.	144.	65.05	131.24	1.53
	020	H01	70	33.	45.	59.	71.	104.	147.	173.	229.	229.	90.	43.33	80.37	1.59
	021	H01	66	23.	44.	62.	75.	106.	150.	201.	214.	214.	90.	46.32	79.96	1.65
	024	H01	64	51.	58.	75.	94.	117.	155.	161.	209.	209.	101.	36.54	94.96	1.42
	027	H01	69	34.	63.	95.	112.	214.	364.	399.	682.	682.	179.	121.41	146.41	1.90
174 Lorain	001	F01	12	47.	47.	54.	60.	91.	149.	158.	158.	158.				
174 Stark Co	001	H03	55	16.	35.	57.	73.	98.	136.	143.	170.	170.	80.	36.95	71.19	1.69
	002	H03	59	44.	51.	78.	101.	125.	180.	211.	334.	334.	111.	56.60	99.26	1.59
175 Wayne Co	001	H03	43	19.	31.	47.	68.	91.	114.	118.	167.	167.	72.	33.07	64.02	1.64
176 Columbus	001	A01	25	37.	51.	76.	102.	129.	149.	169.	222.	222.	106.	43.02	97.27	1.55
	001	A05	1	82.	82.	82.	82.	82.	82.	82.	82.	82.				
178 Warren	001	I01	10	52.	52.	72.	101.	104.	170.	210.	210.	210.				
178 Youngstown	001	A01	26	39.	57.	72.	100.	138.	268.	275.	302.	302.	132.	78.94	111.83	1.78
181 Steubenville	001	I01	13	126.	146.	233.	360.	475.	498.	721.	721.	721.				
OKLAHOMA																
017 Cherokee Co	001	A03	26	14.	17.	26.	30.	40.	65.	81.	175.	175.	40.	32.44	33.35	1.78
184 Edmond	011	F01	30	30.	44.	87.	119.	172.	239.	444.	675.	675.				
184 Midwest City	006	F01	27	17.	27.	44.	58.	67.	148.	186.	187.	187.	69.	45.61	56.97	1.85
	010	F01	15	19.	28.	45.	58.	68.	115.	153.	153.	153.				
184 Moore	043	F01	17	23.	24.	38.	45.	56.	138.	144.	144.	144.				
184 Norman	040	F01	34	22.	25.	31.	53.	85.	150.	178.	276.	276.				
184 Oklahoma City	001	F01	4	18.	35.	50.	68.	82.	103.	111.	137.	137.	69.	26.89	63.23	1.54
	002	F01	25	23.	35.	42.	53.	70.	113.	141.	196.	196.				
	003	F01	35	25.	32.	46.	52.	72.	108.	189.	214.	214.				
	004	F01	22	14.	18.	31.	43.	65.	78.	84.	197.	197.				
	007	F01	8	40.	40.	103.	135.	281.	342.	342.	342.	342.				
	008	F01	2	80.	80.	80.	80.	93.	93.	93.	93.	93.				
	009	F01	46	14.	28.	38.	47.	62.	72.	84.	139.	139.				
	029	A01	25	18.	35.	50.	73.	87.	106.	111.	137.	137.	70.	29.52	63.72	1.62
184 Yukon	013	F01	8	30.	30.	39.	46.	82.	115.	115.	115.	115.				
185 Blackwell	591	F01	36	14.	22.	28.	36.	42.	68.	119.	158.	158.				
185 Ponca City	595	F01	13	33.	38.	42.	46.	57.	72.	73.	73.	73.				
186 Claremore	190	F01	29	15.	42.	72.	85.	89.	144.	163.	192.	192.				
186 Muskogee	162	F01	82	14.	26.	40.	45.	57.	79.	87.	140.	140.	50.	23.61	45.59	1.58
186 Pryor	180	F01	27	35.	36.	51.	63.	78.	100.	134.	146.	146.				
186 Tulsa	001	A01	26	25.	30.	39.	56.	73.	122.	189.	233.	233.	68.	48.71	56.68	1.76
	110	F01	185	16.	33.	48.	60.	75.	117.	199.	258.	282.	71.	46.91	61.19	1.70
	111	F01	181	21.	56.	84.	106.	141.	197.	212.	356.	444.	121.	64.81	106.60	1.66
	112	F01	173	23.	51.	80.	98.	117.	151.	184.	276.	377.	102.	45.89	92.91	1.56
	116	F01	171	25.	55.	82.	103.	129.	183.	245.	333.	376.	115.	58.58	102.63	1.62
	117	F01	164	25.	47.	69.	81.	99.	138.	153.	200.	259.	88.	36.77	80.97	1.50
188 Ardmore	290	F01	22	16.	26.	34.	43.	50.	62.	62.	65.	65.				
188 Coal Co	360	F01	25	18.	21.	27.	36.	59.	77.	89.	98.	98.				
	361	F01	24	21.	27.	68.	81.	95.	140.	144.	171.	171.				
	362	F01	21	9.	16.	20.	28.	40.	47.	54.	54.	54.				
188 Wynnewood	271	F01	8	24.	24.	30.	31.	46.	77.	77.	77.	77.				
189 Duncan	660	F01	41	26.	30.	41.	55.	63.	70.	71.	208.	208.	54.	28.64	50.12	1.47
189 Hollis	760	F01	10	37.	37.	185.	315.	323.	524.	822.	822.	822.				
189 Lawton	640	F01	32	24.	39.	54.	67.	92.	130.	140.	141.	141.				
	641	F01	35	18.	25.	38.	51.	66.	78.	81.	82.	82.				
	644	F01	24	19.	23.	33.	42.	53.	74.	74.	430.	430.				
OREGON																
190 Eugene	001	A01	20	16.	18.	35.	65.	80.	123.	124.	195.	195.				
190 Klamath Falls	001	F01	15	20.	31.	48.	69.	93.	108.	132.	132.	132.				
193 Clackamas Co	001	I01	46	14.	27.	53.	65.	85.	119.	127.	186.	186.				
193 Eugene	004	I03	37	17.	36.	76.	93.	143.	214.	237.	256.	256.				

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OREGON — Cont.																
193 Gresham	001	I01	40	9.	10.	27.	39.	55.	65.	73.	103.	103.				
193 Hillsboro	001	I01	13	18.	22.	24.	37.	57.	79.	92.	92.	92.				
193 Lake Oswego	001	I01	48	13.	24.	48.	63.	81.	119.	127.	186.	186.				
193 Lane Co	002	F01	25	31.	53.	67.	79.	125.	214.	242.	271.	271.				
193 Mc Minnville	002	I01	77	14.	19	31.	39.	49.	67.	86.	92.	92.	42.	19.16	37.49	1.60
193 Milwaukie	001	I01	47	8.	25.	38.	58.	65.	86.	93.	117.	117.				
193 Oregon City	002	I02	84	16.	24.	45.	61.	80.	111.	129.	194.	194.	65.	34.93	56.34	1.78
193 Portland	001	A01	25	18.	27.	61.	76.	88.	172.	195.	200.	200.	84.	48.01	71.80	1.82
	001	F01	25	18.	27.	61.	76.	88.	172.	195.	200.	200.	84.	48.01	71.80	1.82
	002	F01	49	26.	38.	64.	76.	94.	139.	166.	168.	168.				
	003	I01	87	14.	21.	38.	58.	74.	106.	112.	160.	160.	60.	32.35	50.99	1.82
	010	F01	49	13.	20.	33.	48.	61.	88.	92.	128.	128.				
	011	I02	89	12.	32.	60.	85.	108.	147.	183.	303.	303.	89.	50.21	75.73	1.85
	015	I02	60	12.	36.	57.	87.	112.	172.	223.	374.	374.				
	017	I01	86	5.	9.	22.	34.	50.	72.	75.	103.	103.	38.	23.30	30.38	2.11
	019	I01	88	16.	25.	43.	61.	77.	112.	137.	157.	157.	65.	33.47	56.77	1.74
	021	I01	85	16.	24.	40.	60.	77.	110.	121.	148.	148.	62.	31.55	54.04	1.74
	022	I01	89	5.	8.	18.	32.	42.	65.	71.	153.	153.	35.	24.48	27.50	2.13
	023	I02	88	15.	26.	59.	84.	112.	167.	188.	215.	215.	90.	50.55	75.18	1.93
	027	I02	82	7.	27.	41.	48.	67.	92.	109.	147.	147.	55.	26.95	48.70	1.71
	028	I01	4	11.	11.	12.	12.	55.	64.	64.	64.	64.				
	029	I01	13	36.	41.	57.	61.	77.	109.	211.	211.	211.				
	036	I02	65	7.	26.	44.	55.	73.	104.	112.	147.	147.				
	037	I01	60	5.	21.	37.	46.	59.	95.	102.	114.	114.				
	038	I02	62	7.	28.	44.	67.	90.	115.	126.	164.	164.				
	040	I01	132	17.	32.	51.	86.	112	160.	190.	229.	250.				
	041	I01	46	13.	20.	33.	50.	61.	87.	92.	128.	128.				
193 St Helens	001	I01	79	4.	20.	31.	42.	62.	81.	98.	129.	129.	48.	25.36	41.10	1.84
193 Salem	004	I01	123	19.	32.	47.	63.	87.	109.	120.	140.	142.				
193 Woodburn	002	F01	39	15.	27.	35.	59.	81.	125.	137.	155.	155.				
194 Ashland	001	F01	15	18.	21.	36.	50.	56.	80	89.	89.	89.				
194 Coos Bay	001	F01	65	19.	32.	41.	55	74.	102.	134.	174.	174.				
194 Curry Co	001	A03	25	13.	25.	36.	47.	60.	92.	114.	138.	138.	54.	29.03	47.45	1.71
194 Grants Pass	001	F01	6	52.	52.	57.	99.	114.	120.	120.	120.	120.				
194 Medford	001	A01	23	46.	58.	76.	104.	128.	182.	233.	321.	321.	116.	64.05	102.96	1.63
	001	F01	23	46.	58.	76.	104.	128.	182.	233.	321.	321.	116.	64.05	102.96	1.63
	002	F01	112	24.	43	70.	85.	106.	159.	192.	235.	301.	95.	48.07	84.45	1.63
	004	F01	30	27.	40.	78.	114.	143	179.	219	273.	273.				
194 Roseburg	001	F01	15	19.	26.	53.	63.	82	185.	194.	194.	194.				
PENNSYLVANIA																
045 Philadelphia	001	A01	26	88.	94.	117.	122.	146.	164.	180.	182.	182.	129.	25.60	126.78	1.22
	001	H01	26	88.	94.	117.	122.	146.	164.	180.	182.	182.	129.	25.60	126.78	1.22
	002	A01	164	37.	66.	94.	118.	147.	186.	271.	354.	386.	129.	61.42	116.46	1.55
	002	A10	164	37.	66.	94.	118.	147.	186.	271.	354.	386.	129.	61.42	116.46	1.55
045 Worminster	001	A01	25	15.	20.	35.	47.	68.	76.	81.	83.	83.	50.	21.95	44.24	1.69
045 West Chester	001	A01	26	25.	35.	52.	66.	86.	106.	111.	137.	137.	70.	26.27	65.08	1.49
151 Allentown	001	A01	25	38.	64.	81.	99.	112.	165.	166.	183.	183.	103.	37.03	96.35	1.45
151 Hazleton	001	A01	23	33.	43.	67.	88.	123.	228.	259.	402.	402.	118.	85.65	97.18	1.86
151 Reading	001	A01	26	26.	52.	74.	90.	107.	191.	208.	226.	226.	99.	46.18	90.53	1.56
151 Scranton	001	A01	26	59.	91.	145.	193.	269.	402.	446.	472.	472.	226.	119.72	194.91	1.77
151 Wilkes-Barre	001	A01	25	45.	54.	62.	91.	113.	148.	204.	233.	233.	99.	46.24	90.04	1.54
178 Clarion Co	001	A03	26	6.	14.	21.	29.	41.	58.	89.	100.	100.	34.	21.91	28.78	1.85
178 Clearfield Co	001	A03	26	8.	15.	21.	33.	56.	101.	118.	130.	130.	47.	32.99	36.62	2.07
178 Erie	001	A01	32	21.	48.	65.	75.	91.	166.	259.	402.	402.	95.	72.85	79.38	1.77
	002	A01	25	10.	26.	48.	65.	102.	160.	194.	211.	211.	81.	52.77	64.87	2.09
195 Altoona	001	A01	23	19.	46.	73.	91.	118.	158.	213.	224.	224.	100.	51.62	86.12	1.83
195 Bethlehem	002	A01	25	42.	56.	67.	84.	97.	135.	136.	174.	174.	88.	31.88	83.35	1.42
195 Clinton Co	002	F01	31	45.	70.	93.	110.	120.	150.	200.	200.	200.				
	004	F01	32	26.	42.	67.	85.	130.	190.	190.	330.	330.				
195 Jersey Shore	001	F01	34	39.	68.	98.	130.	180.	230.	270.	320.	320.				
	004	F01	33	14.	49.	81.	100.	130.	160.	180.	230.	230.				
195 Johnstown	001	A01	24	56.	66.	85.	109.	122.	221.	223.	228.	228.	120.	55.61	109.46	1.55
195 Lock Haven	002	F01	33	37.	46.	62.	76.	97.	120.	140.	160.	160.				
	003	F01	33	25.	31	45.	62.	72.	91	98.	120.	120.				
	005	F01	32	53.	82.	100.	130.	150.	180.	200.	220.	220.				
	008	F01	33	17.	22.	36.	50.	61.	72.	93.	110.	110.				
195 Lycoming Co	003	F01	31	49.	88.	110.	130.	160.	190.	230.	230.	230.				

PARTICULATE, micrograms per cubic meter (25 C)
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Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
PENNSYLVANIA — Cont.																
	005	F01	29	25.	28.	42.	58.	95.	120.	130.	150.	150.				
195 Montoursville	004	F01	32	30.	42.	62.	73.	84.	120.	140.	150.	150.				
195 Williamsport	007	F01	32	51.	66.	89.	98.	120.	150.	200.	270.	270.				
	009	F01	33	38.	58.	72.	99.	120.	170.	200.	240.	240.				
	012	F01	30	42.	53.	90.	110.	140.	210.	240.	250.	250.				
	014	F01	35	42.	87	120.	140.	170.	210.	260.	300.	300.				
196 Harrisburg	001	A01	24	21.	44.	54.	68.	83.	98.	100.	101.	101.	68.	22.16	63.35	1.48
196 Lancaster City	001	A01	5	81.	81.	111.	140.	243.	279.	279.	279.	279.				
196 York	001	A01	26	53.	57.	80.	108.	139.	168.	172.	186.	186.	109.	40.15	101.50	1.48
197 Indiana Co	001	A05	26	18.	25.	41.	54.	68.	88.	94.	94.	94.	56	23.44	50.58	1.61
197 Pittsburgh	001	A01	26	40.	73.	104.	147.	203.	283.	292.	366.	366.	165.	82.38	144.36	1.73
PUERTO RICO																
244 Bayamon	002	A01	25	28.	62.	71.	79.	99.	133.	178.	267.	267.	93.	46.29	84.73	1.51
244 Catano	002	A01	26	92.	96.	128.	144.	196.	291.	333.	453.	453.	174.	81.91	160.25	1.48
244 Guayanilla	001	A01	1	30.	30.	30.	30.	30.	30.	30.	30.	30.				
	002	A01	23	25.	32.	37.	44.	54.	62.	66.	68.	68.	45.	12.14	43.33	1.32
244 Ponce	001	A01	2	91.	91.	91	91	213.	213.	213.	213.	213.				
	002	A01	23	57.	60.	71.	79	93.	102.	103.	160.	160.	83.	22.12	80.99	1.27
244 San Juan	001	A01	26	49.	60.	70.	73.	87.	104.	104.	121.	121.	79.	16.58	77.00	1.23
RHODE ISLAND																
120 East Providence	001	A01	25	32.	35.	54.	63.	75.	88.	98.	100.	100.	65.	18.24	62.02	1.36
120 Providence	001	A01	26	35	42.	70.	74.	97.	120.	120.	128.	128.	80.	26.69	75.77	1.44
120 Washington Co	002	A03	27	11.	17.	23.	27.	32.	54.	64.	66.	66.	30.	13.74	27.74	1.50
SOUTH CAROLINA																
200 Columbia	001	A01	22	23.	26.	35.	41.	46.	56.	58.	59	59	41.	11.26	39.26	1.31
	001	H01	22	23.	26.	35.	41.	46.	56.	58.	59.	59.	41.	11.26	39.26	1.34
200 Richland Co	001	A03	25	21.	26.	37.	42.	47.	60.	62.	76.	76.	42.	12.87	40.40	1.37
	002	A03	6	14.	14.	14.	16.	24.	35.	35.	35.	35.				
202 Greenville	001	A01	25	36.	43.	69.	84.	95.	112.	126.	152.	152.	81.	27.78	75.99	1.44
	001	F01	25	36.	43.	69.	84.	95.	112.	126.	152.	152.	81.	27.78	75.99	1.44
SOUTH DAKOTA																
087 Sioux Falls	001	A01	23	29.	35.	43.	64	69.	99.	102.	110.	110.				
205 Black Hills Nat Forest	001	A03	26	3.	5.	9.	11	15.	33.	33.	34.	34.	14.	9.56	11.49	1.93
TENNESSEE																
007 Cumberland Co	001	A03	23	6.	13.	16.	32.	41.	56.	76.	81.	81.	34.	20.46	27.71	1.95
018 Memphis	001	A01	26	28.	44.	52.	66.	91.	135.	136.	154.	154.	76.	34.93	69.13	1.58
	001	G01	39	28.	44.	62.	78.	103.	135.	149.	154.	154.	83.	33.98	76.43	1.54
	002	G01	29	23.	58.	94.	110.	127.	167.	185.	206.	206.				
	003	F01	31	40.	76.	92.	119.	144.	153.	199.	252.	252.				
	004	F01	36	47.	53.	76.	92.	113.	134.	155.	159.	159.				
	005	G01	35	42.	67.	94.	122.	158.	206.	277.	296.	296.				
	006	F01	33	22.	40.	68.	83.	94.	146.	158.	194.	194.				
	008	F01	37	49.	87.	120.	129.	160.	192.	218.	229.	229.				
U55 Chattanooga	001	A01	26	60.	69.	86.	97.	137.	164.	195.	202.	202.	111.	39.24	105.20	1.41
	001	H01	63	60.	84.	139.	164.	186.	241.	289.	356.	356.	168.	63.58	156.08	1.50
	006	G01	30	161.	196.	261.	318.	332.	410.	416.	456.	456.				
	007	H01	42	66.	90.	121.	162.	190.	214.	226.	285.	285.				
055 Hamilton Co	001	H01	42	1.	62.	69.	78.	89.	100.	105.	113.	113.				
207 Knoxville	001	A01	24	38.	49.	68.	79.	105.	152.	165.	168.	168.	92.	39.81	85.41	1.55
	002	A01	26	43	58.	78.	108.	153.	194.	206.	266.	266.	119.	54.94	107.63	1.60
	003	G01	138	40	59.	82.	103.	139.	205.	221.	274.	310.	118.	54.09	106.64	1.56
	004	G01	137	35	56.	80.	118.	161.	280.	356.	452.	465.	142.	92.27	118.85	1.82
	005	G01	128	31	48.	76.	101.	153.	298.	375.	463.	572.	140.	104.51	112.21	1.92
	006	G01	139	28	46.	64.	76.	103.	140.	156.	185.	226.	87.	37.99	79.63	1.54
	007	G01	135	22	48.	66.	90.	126.	162.	197.	244.	281.	101.	49.97	89.69	1.65
	008	G01	135	30	53.	70.	87.	123.	221.	268.	319.	407.	113.	68.87	97.57	1.69
208 Nashville	001	A01	25	41.	48.	64.	93.	115.	163.	167.	197.	197.	98.	42.99	88.75	1.56

PARTICULATE, micrograms per cubic meter (25 C)
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					10	30	50	70	90	95	99		Mean	Std. dev	Mean	Std. dev
TEXAS																
022 Texarkana	001	F01	25	24	34	38	57	76	90	98	99	99	59	23.97	54.20	1.54
022 Tyler	001	F01	20	27	34	43	54	70	109	161	165	165				
	002	F01	6	61	61	80	90	103	142	142	142	142				
106 Beaumont	001	A01	1	35	35	35	35	35	35	35	35	35				
	001	F01	23	16	21	49	67	82	87	88	95	95	61	23.61	55.03	1.66
106 Groves	001	F01	3	74	74	74	82	97	97	97	97	97				
106 Orange	001	F01	20	39	40	54	62	68	83	105	123	123				
106 Port Arthur	001	F01	21	23	45	67	77	91	114	131	140	140				
153 El Paso	001	A01	5	51	51	68	124	163	169	169	169	169				
	001	F01	4	55	55	96	96	105	157	157	157	157				
	002	A01	18	67	80	133	147	207	246	315	315	315				
	002	G01	19	60	75	91	116	159	256	334	334	334				
210 Wichita Falls	001	F01	24	17	32	53	66	75	118	163	176	176	74	39.82	64.64	1.74
211 Amarillo	001	F01	14	4	15	33	36	63	80	149	149	149				
211 Lubbock	001	F01	25	13	21	45	70	99	136	174	318	318	82	63.73	63.55	2.12
212 Austin	001	F01	2	42	42	42	42	81	81	81	81	81				
	002	F01	24	13	33	41	49	62	76	77	103	103	53	20.03	48.84	1.56
212 Waco	001	F01	26	33	42	56	72	86	124	129	165	165	76	30.85	70.29	1.49
213 Harlingen	001	F01	26	16	30	38	52	76	114	128	171	171	61	36.00	52.94	1.74
213 Laredo	001	F01	22	37	66	123	132	163	287	483	486	486	164	116.35	136.22	1.84
213 Mc Allen	001	F01	23	14	47	61	78	85	128	142	359	359				
213 San Benito	001	F01	24	37	47	71	77	116	468	712	1599	1599				
214 Corpus Christi	001	G01	26	18	44	52	55	65	94	137	141	141	63	27.33	57.83	1.52
	002	F01	2	15	15	15	15	47	47	47	47	47				
	003	F01	23	24	32	38	44	50	79	85	101	101	49	19.85	45.59	1.45
	004	F02	21	30	32	50	59	72	87	90	165	165				
215 Dallas	002	A01	26	35	40	57	77	93	117	117	275	275	84	46.22	75.84	1.55
215 Fort Worth	001	A01	25	30	46	68	77	102	128	182	192	192	88	38.66	80.51	1.53
	001	H01	84	16	52	75	89	122	180	252	543	543	115	83.10	96.12	1.80
	004	H01	94	27	50	85	119	168	286	370	490	490				
	005	H01	102	17	40	58	83	97	142	159	230	408				
	006	H01	108	13	35	61	72	88	125	149	210	210				
	007	H01	76	7	27	39	50	64	91	106	297	297				
	008	H01	81	16	43	56	66	79	109	147	351	351				
	009	H01	90	15	43	58	65	80	144	211	451	451				
	010	H01	100	17	30	43	55	74	99	134	198	207				
	011	H01	104	11	25	37	46	61	98	117	[illegible]	300				
	012	H01	102	6	26	38	47	60	82	97	[illegible]	334				
	013	H01	79	14	34	54	67	81	120	178	354	354				
	014	H01	86	21	38	59	76	97	170	189	330	330				
	015	H01	94	17	22	30	40	51	72	98	140	140				
	017	H01	85	17	31	42	58	73	96	110	429	429				
216 Baytown	001	F01	26	3	9	29	36	44	69	74	84	84	37	20.03	30.37	2.13
	002	F01	26	20	27	53	65	80	92	106	126	126	66	25.41	60.85	1.58
216 Chambers Co	001	F03	25	13	23	29	30	38	59	69	80	80	36	15.45	32.84	1.50
	002	F01	26	17	14	33	44	57	84	85	94	94	49	21.43	43.99	1.60
	003	F01	23	4	2	27	37	53	62	72	120	120	42	23.69	36.00	1.93
216 Clute City	001	F01	5	25	25	43	75	81	81	81	81	81				
	002	F01	18	37	38	69	83	94	175	176	176	176				
216 Galveston	001	F01	26	27	32	42	47	75	93	139	158	158	62	32.98	54.99	1.62
216 Houston	001	A01	25	47	61	74	89	110	117	119	126	128	88	23.10	85.35	1.32
216 Matagorda Co	001	A03	26	11	15	23	25	35	48	57	58	58	30	12.32	27.12	1.53
216 Pasadena	002	A01	24	22	53	65	75	92	129	140	149	149	83	30.19	77.04	1.49
	002	H01	24	22	53	65	75	92	129	140	149	149	83	30.19	77.04	1.49
216 Texas City	001	F01	26	20	40	45	57	72	102	121	140	140	64	27.64	58.64	1.54
217 San Antonio	001	A01	26	26	33	38	43	57	89	90	142	142	53	25.87	48.69	1.50
	001	G01	97	18	34	42	50	67	114	147	171	171	62	32.92	55.12	1.58
	002	G02	72	9	25	51	65	84	123	130	150	150				
	003	G01	73	7	19	28	35	42	66	84	491	491				
	004	G01	93	7	15	26	32	44	57	80	250	250				
	005	G01	120	12	24	32	38	47	70	82	106	146	44	20.70	39.54	1.55
	006	G01	119	5	15	24	28	38	51	66	82	89	32	15.50	28.31	1.69
	007	G01	121	18	39	57	65	78	107	119	147	165	70	26.84	65.00	1.49
	008	G01	119	14	23	30	38	51	68	82	157	429	46	40.68	39.95	1.60
	009	G01	120	11	18	26	32	40	51	57	145	286	37	27.99	32.38	1.58
	011	G01	120	9	22	32	37	43	60	67	79	146	40	17.04	36.86	1.50
	012	G01	117	20	54	91	111	140	179	227	278	317	118	53.62	104.38	1.71
	013	G01	120	11	43	56	66	75	105	118	133	189	70	26.19	65.12	1.49
	014	G01	72	6	21	30	38	49	59	73	120	120				

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TEXAS — Cont.																
	015	G01	122	18.	38.	64.	82.	100.	127.	137.	177.	187.	84.	34.00	76.65	1.58
	017	G01	109	13.	26.	37.	51.	61.	74.	83.	90.	107.	49.	18.63	45.73	1.51
	018	G01	121	12.	28.	38.	46.	54.	69.	97.	127.	144.	49.	21.33	44.90	1.49
	019	G01	71	13.	23.	37.	59.	78.	103.	109.	142.	142.				
	020	G01	61	12.	23.	39.	57.	71.	90.	121.	152.	152.				
	021	G03	117	1.	17.	25.	31.	38.	53.	98.	135.	145.	36.	23.44	29.67	2.07
	022	G02	9	19.	19.	22.	42.	51.	84.	84.	84.	84.				
218 Odessa	001	F01	26	16.	25.	57.	71.	92.	123.	134.	252.	252.	78.	47.00	66.48	1.82
218 Tom Green Co	001	A03	10	14.	14.	26.	35.	38.	44.	63.	63.	63.				
UTAH																
220 Magna	001	F02	298	7.	25.	50.	67.	84.	122.	194.	355.	402.				
220 Ogden	001	A01	286	18.	40.	70.	86.	100.	154.	186.	284.	292.	93.	46.71	82.29	1.64
220 Provo	001	F01	301	14.	52.	81.	94.	113.	151.	201.	283.	307.				
220 Salt Lake City	001	A01	26	32.	44.	59.	73.	104.	152.	182.	299.	299.	90.	56.56	78.36	1.68
	003	F01	273	16.	42.	68.	89.	107.	167.	209.	297.	378.				
	004	F01	300	13.	42.	76.	97.	119.	153.	171.	233.	306.				
VERMONT																
159 Burlington	001	A01	23	18.	25.	29.	43.	54.	69.	78.	102.	102.	46.	19.89	42.13	1.53
221 Barre	001	F01	23	18.	27.	35.	49.	60.	96.	98.	112.	112.				
221 Orange Co	001	A03	26	7.	16.	24.	29.	32.	45.	52.	53.	53.	29.	10.62	27.17	1.53
VIRGINIA																
047 Alexandria	008	H01	8	49.	49.	69.	71.	87.	120.	120.	120.	120.				
	018	G01	114	1.	32.	43.	51.	65.	87.	115.	177.	197.				
047 Arlington Co	002	G01	5	32.	32.	42.	46.	50.	68.	68.	68.	68.				
047 Fairfax	003	G01	68	20.	29.	35.	47.	58.	74.	96.	139.	139.				
047 Fairfax Co	006	G01	112	12.	39.	57.	69.	85.	113.	121.	131.	172.				
	011	G01	110	12.	27.	41.	50.	63.	89.	105.	144.	190.				
047 Leesburg	001	F02	21	17.	28.	37.	41.	48.	58.	73.	74.	74.				
047 Manassas	001	F01	14	17.	24.	40.	48.	60.	80.	84.	84.	84.				
047 Springfield	001	G01	86	28.	36.	46.	59.	79.	115.	134.	196.	196.				
207 Saltville	002	F02	11	30.	93.	224.	230.	280.	361.	445.	445.	445.				
207 Wythe Co	001	A03	25	16.	19.	23.	29.	39.	62.	67.	142.	142.	38.	26.27	32.28	1.68
222 Amherst Co	001	F01	3	25.	25.	25.	34.	55.	55.	55.	55.	55.				
222 Bedford	002	F01	1	22.	22.	22.	22.	22.	22.	22.	22.	22.				
222 Buckingham Co	002	F02	24	23.	39.	48.	59.	66.	77.	80.	97.	97.				
	006	F02	22	13.	34.	56.	110.	155.	215.	307.	311.	311.				
222 Campbell Co	002	F02	4	33.	33.	33.	33.	43.	54.	54.	54.	54.				
222 Danville	001	A01	25	36.	47.	57.	71.	94.	120.	120.	124.	124.	75.	26.97	69.96	1.44
222 Lynchburg	001	A01	25	42.	60.	77.	89.	94.	143.	146.	161.	161.	93.	29.13	88.47	1.37
222 South Boston	001	F01	14	14.	14.	25.	34.	42.	55.	80.	80.	80.				
223 Chesapeake	001	F02	9	40.	40.	60.	75.	93.	154.	154.	154.	154.				
223 Hampton	001	A01	26	21.	25.	34.	41.	52.	74.	97.	104.	104.	48.	21.06	43.80	1.51
223 Newport News	001	A01	24	20.	40.	56.	68.	74.	102.	112.	134.	134.	67.	26.43	62.05	1.55
223 Norfolk	001	A01	26	49.	61.	71.	82.	103.	135.	192.	211.	211.	94.	38.75	87.84	1.42
223 Portsmouth	001	A01	26	37.	50.	65.	72.	92.	144.	147.	148.	148.	83.	30.77	77.88	1.43
224 Fluvanna Co	002	F02	22	38.	50.	72.	81.	103.	115.	122.	125.	125.				
225 Henrico Co	004	F02	11	21.	24.	31.	42.	42.	46.	55.	55.	55.				
225 Hopewell	002	F02	17	33.	38.	66.	79.	94.	117.	198.	198.	198.				
225 Richmond	001	A01	25	51.	53.	66.	85.	92.	119.	126.	134.	134.	83.	23.82	79.93	1.33
	002	A01	25	51.	53.	66.	85.	92.	119.	126.	134.	134.	83.	23.82	79.93	1.33
	002	H01	34	51.	53.	76.	89.	109.	134.	146.	149.	149.	93.	28.43	88.58	1.37
	003	H01	9	53.	53.	73.	81.	94.	107.	107.	107.	107.				
	004	H01	9	90.	90.	99.	111.	117.	153.	153.	153.	153.				
226 Giles Co	001	F02	10	128.	128.	445.	757.	813.	1503.	1806.	1806.	1806.				
226 Radford	006	F02	13	31.	43.	49.	59.	63.	99.	115.	115.	115.				
226 Roanoke	001	A01	26	48.	53.	67.	85.	105.	136.	155.	164.	164.	91.	32.70	85.43	1.43
226 Shenandoah Nat Park	001	A03	27	14.	16.	27.	32.	36.	52.	54.	75.	75.	33.	13.35	30.91	1.48
226 Warren Co	001	F02	15	25.	25.	35.	49.	82.	92.	182.	182.	182.				
WASHINGTON																
000 Auburn	001	I01	79	10.	18.	33.	54.	82.	117.	159.	374.	374.	67.	59.57	50.81	2.11

PARTICULATE, micrograms per cubic meter (25 C)
HI-VOL GRAVIMETRIC, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
WASHINGTON — Cont.																
062 Spokane	001	A01	25	19.	36.	52.	70.	103.	142.	158.	403.	403.	90.	74.35	73.71	1.86
	011	F01	104	19.	39.	63.	83.	127.	188.	214.	403.	409.	107.	73.16	88.37	1.87
193 Centralia	001	I01	87	7.	11.	20.	26.	37.	56.	71.	95.	95.	31.	19.16	26.29	1.83
193 Vancouver	002	F01	87	20.	39.	52.	71.	90.	125.	142.	165.	165.	76.	33.14	68.90	1.57
	004	I01	38	37.	61.	560.	694.	1020.	1280.	1428.	1550.	1550.				
227 Wenatchee	001	F01	75	21.	32.	48.	64.	84.	139.	188.	213.	213.	77.	45.43	65.64	1.75
228 Bellingham	003	I01	84	11.	32.	57.	74.	112.	156.	209.	381.	381.	92.	66.40	73.01	2.02
	004	I01	50	24.	29.	46.	68.	106.	154.	175.	291.	291.				
228 Lacey	001	I01	37	15.	24.	36.	53.	66.	95.	116.	119.	119.				
228 Olympia	001	F01	91	6.	13.	30.	39.	58.	95.	113.	212.	212.	50.	35.03	39.19	2.05
228 Raymond	001	I01	26	17.	25.	29.	40.	53.	91.	138.	155.	155.				
228 Shelton	001	I01	11	15.	23.	38.	45.	55.	69.	197.	197.	197.				
228 Skagit Co	001	I01	20	31.	56.	68.	133.	158.	218.	243.	349.	349.				
	002	I01	53	15.	56.	98.	153.	255.	862.	1086.	1693.	1693.				
	003	I01	30	9.	14.	16.	24.	28.	38.	43.	56.	56.				
	005	I01	16	9.	9.	33.	43.	99.	417.	431.	431.	431.				
228 Whatcom Co	001	I01	6	6.	6.	9.	9.	22.	26.	26.	26.	26.				
229 Bellevue	001	I01	86	12.	20.	32.	52.	69.	82.	108.	164.	164.	54.	29.75	46.37	1.78
229 Bremerton	001	F01	88	8.	21.	29.	38.	47.	77.	89.	179.	179.	45.	25.70	38.77	1.70
229 Everett	001	I01	81	13.	20.	27.	40.	49.	73.	81.	102.	102.	43.	21.41	37.96	1.65
	002	F01	68	23.	31.	47.	56.	70.	111.	127.	156.	156.	63.	29.21	57.06	1.56
229 King Co	001	I03	81	3.	5.	9.	12.	23.	47.	71.	78.	78.	21.	19.45	14.21	2.39
	002	A03	20	10.	11.	20.	41.	48.	52.	62.	77.	77.				
229 Marysville	001	I01	81	9.	23.	38.	59.	92.	129.	139.	177.	177.	70.	42.44	56.94	2.00
229 Pierce Co	001	I01	82	10.	27.	52.	72.	91.	141.	143.	233.	233.	78.	44.45	65.41	1.93
229 Renton	001	I01	87	11.	20.	32.	49.	61.	106.	127.	149.	149.	55.	33.21	45.34	1.87
229 Seattle	001	A01	26	16.	35.	38.	49.	68.	103.	140.	170.	170.	62.	35.47	54.36	1.67
	002	F01	75	17.	29.	44.	63.	82.	124.	152.	323.	323.	71.	47.38	60.44	1.78
	005	I01	91	36.	52.	86.	111.	144.	196.	252.	472.	472.	125.	73.16	107.74	1.72
	006	I01	90	13.	31.	47.	61.	81.	116.	136.	214.	214.	70.	36.54	61.27	1.68
	007	I01	88	15.	32.	43.	55.	61.	95.	140.	202.	202.	59.	32.29	52.89	1.59
	009	I01	88	7.	35.	43.	57.	70.	94.	117.	177.	177.	62.	28.03	56.10	1.58
229 Tacoma	001	A01	26	26.	37.	41.	64.	88.	181.	230.	251.	251.	82.	57.65	68.58	1.80
	001	I01	51	16.	24.	40.	53.	80.	115.	163.	223.	223.	66.	42.83	54.44	1.86
	002	I01	73	11.	18.	37.	53.	71.	114.	124.	157.	157.	60.	35.74	48.99	1.96
	003	I01	90	10.	19.	31.	50.	70.	98.	113.	198.	198.	56.	34.84	45.91	1.94
	004	I02	83	19.	44.	69.	87.	117.	159.	198.	240.	240.	98.	46.88	87.30	1.67
WEST VIRGINIA																
234 Charleston	001	A01	25	56.	88.	131.	163.	212.	433.	453.	493.	493.	213.	133.07	177.21	1.86
WISCONSIN																
128 Eau Claire	002	A01	23	14.	23.	33.	41.	59.	72.	75.	99.	99.	45.	20.39	41.14	1.60
129 Superior	001	A01	26	29.	37.	55.	59.	78.	105.	120.	133.	133.	67.	25.17	62.93	1.45
	001	F01	26	29.	37.	55.	59.	78.	105.	120.	133.	133.	67.	25.17	62.93	1.45
237 Door Co	001	A03	25	4.	5.	10.	14.	24.	30.	34.	35.	35.	17.	9.28	14.34	1.85
239 Kenosha	001	A01	26	29.	35.	51.	63.	79.	166.	169.	182.	182.	78.	45.63	67.12	1.70
	001	F01	26	29.	35.	51.	63.	79.	166.	169.	182.	182.	77.	45.63	67.12	1.70
239 Milwaukee	001	A01	26	51.	59.	78.	101.	136.	259.	280.	296.	296.	124.	68.78	109.64	1.65
	001	G01	26	51.	59.	78.	101.	136.	259.	280.	296.	296.	124.	68.78	109.64	1.65
239 Racine	001	A01	24	10.	13.	48.	55.	63.	110.	125.	127.	127.	60.	32.94	49.72	1.99
	001	F01	24	10.	13.	48.	55.	63.	110.	125.	127.	127.	60.	32.94	49.72	1.99
240 Madison	001	A01	25	27.	35.	43.	56.	69.	117.	163.	268.	268.	68.	50.69	58.55	1.67
WYOMING																
241 Casper	001	A01	25	23.	27.	46.	59.	91.	111.	136.	163.	163.	69.	36.27	60.77	1.71
242 Cheyenne	001	A01	25	7.	16.	20.	22.	38.	68.	80.	82.	82.	32.	19.69	27.47	1.76
243 Grand Teton Nat Park	001	A03	9	4.	4.	5.	6.	16.	26.	26.	26.	26.				
243 Yellowstone Nat Park	001	A03	23	2.	3.	4.	5.	12.	19.	19.	20.	20.	8.	5.84	6.64	2.00

CARBON MONOXIDE, milligrams per cubic meter (25 C)
INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
015 Phoenix	002	G01	6452	.2	.2	1.1	2.3	4.6	14.9	21.8	34.5	43.7				
CALIFORNIA																
024 Anaheim	001	I01	4271	.2	2.3	3.4	5.7	6.9	10.3	12.6	18.4	62.1				
024 Azusa	002	I01	8465	1.1	1.1	2.3	3.4	5.7	8.0	9.2	12.6	21.8	4.5	2.78	3.60	2.00
024 Burbank	002	I01	8508	1.1	1.1	3.4	5.7	8.0	14.9	19.5	33.3	62.1	7.2	6.47	5.15	2.33
024 La Habra	001	I01	4518	.2	4.6	6.9	9.2	11.5	13.8	16.1	21.8	32.2				
024 Lennox	001	I01	8429	1.1	2.3	3.4	4.6	6.9	14.9	19.5	32.2	74.7	6.6	6.44	4.69	2.22
024 Long Beach	002	I01	8544	1.1	2.3	3.4	4.6	6.9	11.5	14.9	23.0	42.5	6.1	4.33	5.02	1.89
024 Los Angeles	001	I01	8163	1.1	3.4	4.6	5.7	8.0	13.8	17.2	27.6	44.8	7.5	5.13	6.25	1.84
	002	I01	8406	1.1	2.3	3.4	4.6	5.7	10.3	13.8	23.0	48.3	5.5	4.15	4.51	1.82
024 Los Angeles Co	001	I01	8442	1.1	2.3	3.4	4.6	6.9	11.5	14.9	26.4	51.7	6.1	5.07	4.68	2.08
024 Pomona	001	I01	8554	1.1	3.4	4.6	4.6	6.9	9.2	11.5	18.4	31.0	5.8	3.16	5.16	1.62
024 Redlands	001	I01	7477	.2	1.1	2.3	2.3	3.4	4.6	5.7	9.2	23.0				
024 Riverside	001	I01	5158	.2	1.1	2.3	4.6	6.9	10.3	11.5	17.2	27.6				
024 San Bernardino	001	I01	8495	.2	2.3	3.4	4.6	5.7	8.0	10.3	13.8	25.3	4.8	2.70	4.03	1.93
024 San Bernardino Co	002	I01	762	.2	1.1	1.1	1.1	2.3	3.4	3.4	4.6	6.9				
025 Monterey	001	I01	6804	1.1	1.1	1.1	1.1	2.3	2.3	3.4	6.9	16.1				
025 Salinas	001	I01	2316	1.1	1.1	1.1	2.3	2.3	3.4	3.4	5.7	9.2				
028 Sacramento	002	F01	8482	.2	.2	1.1	2.3	2.3	5.7	8.0	19.5	56.3	2.7	3.77	1.61	2.88
030 Burlingame	001	I01	4310	1.1	2.3	3.4	4.6	6.9	10.3	11.5	14.9	23.0				
030 Fremont	002	I01	6908	1.1	1.1	2.3	3.4	4.6	6.9	8.0	10.3	18.4				
030 Livermore	002	I01	1841	1.1	1.1	3.4	4.6	5.7	9.2	11.5	13.8	19.5				
030 Napa	001	F01	1575	.2	1.1	1.1	2.3	3.4	6.9	8.0	14.9	23.0				
030 Oakland	004	F01	8577	1.1	1.1	1.1	2.3	3.4	5.7	8.0	12.6	27.6	3.1	2.39	2.45	1.89
030 Pittsburg	001	I01	8618	1.1	1.1	1.1	1.1	2.3	2.3	3.4	5.7	13.8	1.8	1.08	1.58	1.56
030 Redwood City	001	I01	8677	1.1	1.1	2.3	2.3	3.4	4.6	5.7	9.2	21.8	3.1	1.72	2.66	1.70
030 Richmond	002	I01	8529	1.1	1.1	1.1	2.3	2.3	4.6	5.7	10.3	21.8	2.6	1.76	2.17	1.72
030 San Francisco	003	I01	8608	1.1	2.3	3.4	4.6	4.6	6.9	8.0	12.6	27.6	4.5	2.12	3.12	1.53
030 San Jose	002	I01	8597	1.1	1.1	2.3	2.3	3.4	6.9	9.2	14.9	29.9	3.4	2.85	2.86	1.95
030 San Rafael	001	I01	8590	1.1	1.1	1.1	1.1	2.3	3.4	4.6	8.0	23.0	1.9	1.53	1.60	1.65
030 Santa Rosa	001	F01	5809	.2	1.1	1.1	2.3	2.3	3.4	4.6	6.9	11.5				
031 Bakersfield	001	F01	8479	.2	1.1	1.1	2.3	3.4	5.7	6.9	11.5	24.1	2.7	2.31	2.05	2.12
031 Fresno	002	F01	7745	.2	1.1	1.1	1.1	2.3	4.6	5.7	11.5	32.2				
	003	F01	828	.2	1.1	2.3	3.4	4.6	8.0	9.2	16.1	28.7				
	004	F01	7564	.2	1.1	1.1	1.1	2.3	3.4	4.6	10.3	34.5				
031 Stockton	002	F01	7942	1.1	1.1	1.1	1.1	2.3	3.4	4.6	9.2	27.6	1.9	1.62	1.61	1.65
	004	F01	8358	1.1	1.1	2.3	2.3	4.6	6.9	9.2	14.9	37.9	3.6	3.13	2.76	2.06
COLORADO																
036 Denver	002	A10	7527	.2	1.1	3.4	5.7	8.0	12.6	16.1	25.3	63.2				
DISTRICT OF COLUMBIA																
047 Washington	003	A10	6056	.2	1.1	2.3	3.4	4.6	6.9	9.2	14.9	28.7				
ILLINOIS																
067 Chicago	002	A10	6251	.2	2.3	5.7	8.0	11.5	16.1	19.5	26.4	47.1				
KENTUCKY																
079 Newport	001	F01	2297	.2	.2	.6	2.3	4.6	10.3	11.5	14.4	20.1				
MICHIGAN																
123 Port Huron	003	F01	881	.2	.2	1.1	1.1	2.3	3.4	3.4	4.6	5.7				
MISSOURI																
070 St Louis	002	A10	7661	.2	3.4	4.6	5.7	6.9	9.2	11.5	16.1	29.9				

CARBON MONOXIDE, milligrams per cubic meter (25 C)
INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
NEW JERSEY																
043 Bayonne	003	F01	7615	.2	.2	.8	1.3	1.8	2.8	3.5	6.1	26.0	1.5	1.41	1.08	2.37
043 Linden	001	F01	6862	1.1	1.1	2.3	2.3	3.4	5.7	8.0	13.8	32.2				
043 Middlesex Co	001	F01	6726	.2	1.1	1.1	1.1	2.3	3.4	4.6	8.0	16.1				
043 Newark	002	F01	7573	.2	1.6	3.0	4.3	5.9	9.0	11.0	15.8	55.9				
	005	F01	736	.2	2.3	3.6	4.9	6.8	10.9	12.3	16.1	26.7				
045 Camden	003	F01	6962	.2	.8	1.6	2.3	3.2	5.1	6.5	9.7	51.6	2.8	2.09	2.14	2.15
NEW MEXICO																
152 Albuquerque	002	H01	5880	.2	1.1	2.3	3.4	4.6	6.9	8.0	14.9	31.0				
NEW YORK																
043 New York City	014	H01	8095	.2	1.1	2.3	3.4	4.6	6.9	8.0	12.6	26.4				
	023	H01	2128	4.6	6.9	12.6	16.1	19.5	27.6	33.3	41.4	51.7				
	058	H01	7629	.2	6.9	12.6	18.4	26.4	41.4	50.6	69.0	103.5				
	060	H01	6111	.2	6.9	11.5	17.2	25.3	39.1	47.1	59.8	115.0				
	052	H01	2128	1.1	3.4	5.7	10.3	14.9	21.8	26.4	34.5	57.5				
OHIO																
079 Cincinnati	003	A10	4718	.2	.2	1.1	2.3	3.4	6.9	10.3	12.6	27.6				
174 Akron	013	H01	2226	.2	1.1	1.8	2.8	3.7	6.0	7.6	13.3	21.8				
174 Barberton	006	H01	3851	.2	.7	1.1	2.3	2.3	4.4	5.7	9.2	17.2				
OREGON																
193 Portland	002	F01	8484	.2	1.1	2.3	4.6	6.9	11.5	14.9	25.3	48.3	5.8	5.05	4.16	2.34
PENNSYLVANIA																
045 Philadelphia	002	A10	2803	.2	2	2.3	3.4	4.6	6.9	9.2	12.6	23.0				
WASHINGTON																
229 Seattle	010	101	3312	2	.2	1.1	2.3	3.4	5.7	6.9	10.3	17.2				

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL WEST-GAEKE COLORIMETRIC, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
COLORADO																
036 Denver	002	A10	6329	13	13.	13.	13.	13.	79.	105.	236.	1284.				
DELAWARE																
045 New Castle Co	006	F01	379	655.	6550.	6550.	6550.	12445.	24890.	30130.	52400.	62880.				
DISTRICT OF COLUMBIA																
047 Washington	003	A10	6311	13.	13.	13.	52.	79.	131.	157.	262.	445.				
ILLINOIS																
067 Chicago	002	A10	6721	13.	13.	13.	79.	236.	445.	603.	996.	4218.				
MISSOURI																
070 St Louis	002	A10	6366	13.	13.	13.	52.	105.	236.	341.	603.	1624.				
NEW JERSEY																
043 Bayonne	003	F01	8309	13.	29.	63.	102.	165.	299.	383.	558.	1297	139.	121.31	95.08	2.57
043 Newark	002	F01	7490	13.	13.	60.	105.	160.	301.	398.	634.	1174.				
	005	F01	712	13	105.	157.	210.	314.	524.	655.	943.	1179.				
045 Camden	003	F01	7611	13.	13.	42.	100.	181.	354.	490.	888.	2010				
OHIO																
079 Cincinnati	003	A10	6267	13.	13.	13.	13.	13.	105.	131.	236.	760.				
OKLAHOMA																
186 Tulsa	111	F01	696	13	13.	13.	13.	13.	13.	13.	13.	30				
	112	F01	1039	13	13.	13.	13.	13.	13.	13.	13.	13.				
PENNSYLVANIA																
045 Philadelphia	002	A10	4679	13	13.	13.	52.	105.	210.	314.	524.	1389				

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL CONDUCTIMETRIC, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
015 Phoenix	002	G01	6165	13.	13.	13.	13.	13.	13.	13.	37.	23580.				
CALIFORNIA																
024 Anaheim	001	I01	8379	13.	13.	13.	13.	13.	52.	52.	105.	288.	19.	20.63	15.66	1.68
024 Burbank	002	I01	8103	13.	13.	13.	13.	52.	79.	79.	105.	367.	33.	27.07	24.72	2.14
024 La Habra	001	I01	6959	13.	13.	13.	13.	13.	79.	105.	183.	367.				
024 Lennox	001	I01	8272	13.	13.	13.	13.	52.	105.	131.	236.	838.	44.	51.26	28.18	2.48
024 Long Beach	002	I01	8043	13.	13.	13.	52.	79.	131.	183.	314.	1441.	60.	65.07	39.19	2.58
024 Los Angeles	001	I01	7972	13.	13.	13.	52	52.	105.	105.	157.	236.	46.	35.00	32.98	2.34
	002	I01	8266	13.	13.	13.	13.	13.	52	79.	105.	341.	27.	23.46	20.23	2.00
024 Los Angeles Co	001	I01	8369	13.	13.	13.	13.	13.	52.	52.	79.	131	21.	17.01	17.08	1.75
024 Pomona	001	I01	8354	13.	13.	13.	13.	52.	52.	79.	105.	183.	33.	25.42	24.47	2.12
024 Riverside	001	I01	6680	13.	13.	13.	13.	13.	52.	79.	105.	157.				
024 San Bernardino	001	I01	5668	13.	13.	13.	13.	13.	52.	52.	105.	262.				
COLORADO																
036 Denver	002	A10	3388	13.	13.	13.	13.	13.	52.	79.	131.	393.				
CONNECTICUT																
042 Hartford	003	F01	4038	13.	26200.	26200.	52400.	78600.	83400.	35800.	66800.	86000.				
042 New Britain	002	F01	5076	13.	13.	52.	79.	131.	236.	314.	498.	1179.				
042 New Haven	004	F01	3261	13.	39.	65.	84.	131.	183.	210.	288.	1965.				
043 Greenwich	001	F01	3347	13.	26200.	26200.	52400.	52400.	4800.	31000.	83400.	14400.				
043 Stamford	003	F01	3858	13.	13.	13.	55.	131.	262.	367.	655.	26200.				
DELAWARE																
045 Newark	002	F01	3906	13.	51.	65.	73.	98.	138.	183.	255.	524.				
045 New Castle Co	001	F01	5040	13.	13.	59.	72.	105.	183.	236.	380.	655.				
	002	F01	1957	13.	33.	59.	79.	111.	196.	265.	485.	655.				
	003	F01	4010	13.	46.	65.	79.	111.	177.	229.	368.	603.				
	004	F01	3478	13.	13.	50.	65.	73.	131.	177.	308.	531.				
	005	F01	2816	13.	52.	65.	79.	105.	131.	162.	255.	511.				
	006	F01	4821	13.	13.	52.	65.	72.	144.	203.	491.	950.				
	007	F01	478	13.	39.	52.	65.	92.	341.	439.	603.	655.				
	011	F01	6033	13.	13.	52.	68.	105.	183.	241.	393.	681.				
045 Wilmington	004	F01	2861	13.	39.	65.	92.	138.	229.	341.	655.	1153.				
ILLINOIS																
067 Chicago	002	A10	3709	13.	13.	13.	157.	262.	472.	629.	969.	1808.				
	003	H01	6664	13.	13.	13.	39.	79.	229.	360.	806.	1873.				
	004	H01	7410	13.	13.	46.	85.	157.	334.	458.	779.	1795.				
	005	H01	7376	13.	13.	59.	131.	229.	386.	491.	760.	1526.	175.	168.32	98.57	3.39
	006	H01	7718	13.	13.	72.	151.	262.	524.	688.	1081.	2554.	222.	238.97	116.82	3.62
	007	H01	6734	13.	13.	13.	52.	105.	210.	282.	465.	1369.				
	008	H01	7495	13.	13.	39.	72.	124.	269.	373.	609.	1526.				
	009	H01	7553	13.	13.	52.	105.	177.	380.	504.	819.	1827.	161.	176.93	90.25	3.22
	010	H01	6435	13.	13.	13.	52.	98.	223.	314.	563.	3039.				
KENTUCKY																
077 Ohio Co	001	N02	7850	13.	13.	13.	13.	13.	39.	79.	354.	1913.				
	002	N02	6898	13.	13.	13.	13.	13.	13.	65.	301.	2030.				
	004	N02	7526	13.	13.	13.	13.	13.	13.	13.	13.	341.				
	006	N02	7551	13.	13.	13.	13.	13.	13.	65.	432.	2777.	29.	96.07	15.94	1.95
	009	N02	7912	13.	13.	13.	13.	13.	65.	105.	472.	2227.	35.	102.86	18.29	2.21
	011	N02	7329	13.	13.	13.	13.	13.	13.	13.	118.	576.				
	012	N02	7348	13.	13.	13.	13.	13.	13.	13.	170.	1035.				
	013	N02	7834	13.	13.	13.	13.	13.	13.	52.	367.	1899.	25.	80.83	15.11	1.80
	014	N02	7610	13.	13.	13.	13.	13.	13.	39.	301.	2437				
	015	N02	7780	13.	13.	13.	13.	13.	39.	79.	354.	2332.	28.	82.61	16.35	1.94
	016	N02	7789	13.	13.	13.	13.	13.	39.	79.	432.	1572.	30.	82.68	16.65	2.03
	017	N02	7858	13.	13.	13.	13.	13.	52.	92.	380.	1729.	30.	72.71	17.32	2.07

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SULFUR DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL CONDUCTIMETRIC, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
KENTUCKY — Cont.																
	018	N02	7500	13.	13.	13.	13.	13.	13.	79.	406.	1847.	28.	90.49	15.93	1.94
	019	N02	6957	13.	13.	13.	13.	13.	13.	39.	406.	1467.				
MASSACHUSETTS																
042 Springfield	003	F01	1965	13.	52.	89.	144.	236.	427.	566.	859.	2754.				
MISSOURI																
070 St Louis	002	A10	3007	13.	13.	13.	52.	105.	236.	341.	550.	1546.				
NEW YORK																
043 New York City	014	H01	8738	13.	105.	157.	236.	341.	550.	681.	1022.	2096.	290.	205.59	227.44	2.11
OHIO																
079 Cincinnati	003	A10	2751	13.	13.	13.	13.	13.	79.	105.	157.	419.				
174 Akron	013	H01	1771	13.	13.	13.	52.	131.	314.	367.	655.	2410.				
174 Barberton	006	H01	2453	13.	13.	13.	13.	79.	131.	157.	367.	1022.				
PENNSYLVANIA																
045 Philadelphia	002	A10	2895	13.	13.	13.	52.	79.	210.	288.	498.	1389.				

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL COULOMETRIC, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
012 Clifton	002	F02	1871	13.	13.	13.	13.	105.	262.	367.	786.	2620.				
012 Douglas	002	F02	579	13.	13.	13.	13.	52.	210.	472.	2934.	4978.				
	003	F02	4117	13.	13.	13.	13.	13.	210.	419.	1153.	4585.				
015 Ajo	001	F02	3176	13.	13.	13.	13.	105.	210.	419.	1362.	4192.				
015 Claypool	001	F02	5366	13.	13.	13.	52.	157.	419.	707.	1572.	5240.				
015 Gila Co	001	F02	5263	13.	13.	13.	52.	210.	1153.	2253.	4454.	5240.				
015 Pinal Co	002	F02	3464	13.	13.	13.	13.	157.	367.	524.	1100.	5240.				
MICHIGAN																
123 Port Huron	003	F01	1030	13.	13.	13.	13.	52.	157.	314.	760.	969.				
NEW JERSEY																
043 Linden	001	F01	5603	13.	13.	13.	52.	105.	183.	236.	445.	1179.				
043 Middlesex Co	001	F01	5895	13.	13.	52.	52.	105.	183.	288.	498.	996.				
OREGON																
193 Portland	002	F01	7790	13.	13.	13.	13.	13.	79.	105.	183.	603.	32.	37.14	21.33	2.21

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
DAVIS INST SEQUENTIAL-CONDUCTIMETRIC, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
MASSACHUSETTS																
042 Springfield	003	F01	8515	13	29.	68.	105.	173.	351.	479.	794.	5947.	161.	198.70	102.73	2.68

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
ALABAMA																
002 Montgomery	001	A01	26	3.	5.	7.	7.	9.	19.	22.	24.	24.	10.	5.88	8.48	1.73
004 Birmingham	003	A01	23	3.	7.	9.	13.	22.	30.	30.	76.	76.				
005 Mobile	002	A01	24	5.	7.	9.	11.	11.	23.	25.	100.	100.	15.	18.78	11.67	1.83
ALASKA																
009 Fairbanks	001	A01	25	5.	5.	7.	8.	9.	16.	23.	28.	28.	9.	5.45	8.34	1.54
ARIZONA																
014 Grand Canyon Nat Park	001	A03	16	3.	5.	6.	7.	8.	14.	56.	56.	56.				
015 Phoenix	002	A01	25	5.	5.	7.	8.	10.	19.	19.	22.	22.	10.	4.74	8.83	1.54
015 Tucson	001	A01	22	5.	5.	7.	7.	10.	15.	19.	27.	27.	10.	5.23	8.57	1.54
ARKANSAS																
016 Little Rock	001	A01	25	3.	5.	7.	8.	11.	19.	51.	61.	61.	13.	13.66	9.35	1.99
019 El Dorado	001	A01	23	7.	7.	11.	12.	14.	27.	54.	69.	69.	17.	15.11	13.23	1.82
CALIFORNIA																
024 Anaheim	001	A01	25	3.	5.	11.	11.	13.	21.	25.	31.	31.	13.	6.66	10.89	1.84
024 Glendale	001	A01	17	5.	7.	9.	14.	16.	24.	32.	32.	32.				
024 Long Beach	001	A01	25	7.	11.	20.	35.	49.	59.	63.	66.	66.	35.	17.93	29.77	1.88
024 San Bernardino	001	A01	23	3.	6.	7.	9.	11.	13.	14.	20.	20.	9.	3.54	8.47	1.50
024 Santa Ana	001	A01	23	3.	7.	8.	11.	15.	19.	20.	22.	22.	12.	5.29	10.79	1.68
026 Humboldt Co	001	A03	15	5.	5.	7.	7.	7.	11.	15.	15.	15.				
028 Sacramento	001	A01	18	3.	5.	6.	7.	7.	13.	15.	15.	15.				
029 San Diego	001	A01	26	5.	5.	7.	10.	13.	18.	20.	30.	30.	12.	5.96	10.35	1.63
030 Berkeley	001	A01	23	3.	7.	8.	10.	14.	21.	30.	73.	73.	14.	14.19	11.10	1.95
030 Oakland	001	A01	20	7.	7.	11.	15.	17.	35.	69.	74.	74.				
030 San Francisco	001	A01	25	3.	3.	7.	9.	14.	27.	80.	82.	82.	15.	20.58	9.56	2.42
030 San Jose	002	A01	26	3.	5.	7.	8.	11.	14.	14.	19.	19.	9.	3.53	8.23	1.52
031 Fresno	001	A01	16	5.	5.	8.	9.	11.	14.	17.	17	17.				
COLORADO																
036 Denver	001	A01	21	5.	7.	12.	14.	18.	30.	36.	39.	39.	17.	10.02	14.70	1.81
	002	A01	26	5.	7.	9.	11.	23.	31.	40.	46.	46.	17.	11.29	14.21	1.91
CONNECTICUT																
042 Hartford	001	A01	26	3.	7.	18.	32.	97.	128.	136.	178.	178.	56.	50.82	34.43	3.07
042 New Haven	001	A01	25	5.	7.	9.	22.	70.	254.	333.	411.	411.	85.	116.39	32.59	4.28
042 Waterbury	001	A01	25	5.	7.	9.	11.	25.	60.	109.	125.	125.	25.	31.29	15.65	2.51
043 Bridgeport	001	A01	22	3.	16.	28.	39.	62.	93.	142.	197.	197.				
DELAWARE																
045 Newark	001	A01	23	7.	7.	10.	18.	23.	41.	42.	92.	92.				
045 Wilmington	001	A01	25	5.	6.	9.	13.	39.	133.	169.	185.	185.	42.	54.82	20.75	3.25
046 Kent Co	001	A03	24	3.	7.	13.	18.	28.	37.	42.	45.	45.	21.	12.35	17.00	2.13
DISTRICT OF COLUMBIA																
047 Washington	001	A01	24	5.	7.	14.	19.	31.	69.	74.	85.	85.	29.	22.93	20.50	2.38
	003	A01	26	7.	18.	28.	37.	53.	102.	102.	178.	178.	50.	37.93	38.92	2.07
FLORIDA																
049 Jacksonville	002	A01	26	5.	5.	9.	12.	16.	27.	32.	33.	33.	14.	7.54	12.72	1.68
050 Miami	002	A01	26	5.	5.	7.	8.	11.	13.	22.	25.	25.	10.	4.65	8.82	1.48
052 Manatee Co	005	G02	65	3.	3.	3.	3.	5.	19.	24.	31.	31.	6.	7.00	4.10	2.18
	008	G02	52	3.	3.	3.	3.	6.	17.	31.	44.	44.	7.	8.82	4.14	2.32

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
FLORIDA — Cont.																
	010	G02	63	3.	3.	3.	3.	9.	15.	27.	44.	44.	8.	8.61	4.97	2.37
	013	G02	60	3.	3.	3.	3.	6.	18.	32.	55.	55.	8.	10.45	4.57	2.48
052 St Petersburg	002	A01	26	5.	7.	10.	16.	30.	71.	82.	91.	91.	26.	24.74	17.83	2.37
052 Tampa	002	A01	25	5.	7.	11.	18.	26.	37.	55.	112.	112.	23.	22.23	17.18	2.14
GEORGIA																
002 Columbus	001	A01	21	3.	5.	7.	7.	9.	16.	17.	28.	28.				
056 Atlanta	001	A01	26	3.	5.	9.	13.	38.	57.	59.	83.	83.	26.	22.62	17.40	2.58
058 Savannah	001	A01	25	5.	7.	7.	11.	20.	32.	32.	112.	112.	19.	21.24	14.14	2.05
ILLINOIS																
065 Peoria	001	A01	22	3.	5.	16.	28.	51.	66.	96.	298.	298.				
067 Calumet City	001	G01	99	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.		2.50	1.00
067 Chicago	001	A01	23	5.	12.	26.	96.	170.	303.	330.	346.	346.				
	002	A01	25	7.	28.	74.	123.	262.	448.	484.	496.	496.	184.	159.08	113.51	3.08
	003	H01	87	2.	2.	5.	10.	24.	65.	97.	207.	207.	26.	37.04	12.62	3.39
	004	H01	89	2.	2.	21.	47.	113.	212.	236.	388.	388.	79.	85.17	36.04	4.36
	005	H01	91	2.	13.	39.	107.	215.	314.	398.	660.	660.	142.	130.36	78.63	3.60
	006	H01	88	2.	2.	8.	26.	94.	220.	275.	375.	375.	74.	92.27	25.75	5.31
	007	H01	91	2.	13.	26.	45.	73.	105.	134.	372.	372.	58.	55.35	39.20	2.74
	008	H01	88	2.	5.	21.	42.	110.	320.	388.	477.	477.	102.	123.64	43.12	4.40
	009	H01	90	2.	2.	2.	8.	21.	113.	168.	380.	380.	36.	67.66	10.45	4.54
	010	H01	89	2.	2.	10.	18.	42.	102.	128.	173.	173.	35.	39.47	18.37	3.44
	011	H01	88	2.	2.	8.	16.	37.	68.	128.	286.	286.	34.	49.03	15.80	3.61
	012	H01	87	2.	5.	16.	29.	65.	252.	280.	448.	448.	76.	99.19	33.05	4.00
	013	H01	88	2.	8.	24.	37.	76.	160.	210.	372.	372.	67.	75.52	36.63	3.29
	015	H01	90	2.	8.	26.	50.	105.	178.	220.	233.	233.	77.	67.63	44.93	3.42
	016	H01	88	2.	2.	5.	26.	55.	102.	121.	223.	223.	40.	45.28	17.69	4.22
	017	H01	88	2.	2.	2.	8.	16.	34.	39.	58.	58.	14.	13.08	8.26	2.84
	018	H01	85	2.	13.	29.	55.	92.	144.	162.	375.	375.	69.	59.09	46.71	2.62
	019	H01	87	2.	5.	26.	50.	73.	160.	191.	265.	265.	65.	60.00	37.17	3.48
	020	H01	90	2.	8.	42.	81.	136.	252.	296.	417.	417.	107.	92.14	61.52	3.65
	021	H01	89	2.	16.	39.	71.	136.	249.	411.	1834.	1834.	126.	210.39	67.77	3.23
	02^	H01	57	2.	2.	10.	21.	34.	63.	126.	225.	225.				
067 Chicago Heights	001	G01	99	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.		2.50	1.00
067 Cicero	001	G01	115	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.		2.50	1.00
067 Cook Co	001	G01	97	3.	3.	3.	3.	3.	3.	3.	664.	664.	9.	67.17	2.65	1.76
067 Harvey	001	G01	80	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.		2.50	1.00
067 Hillside	001	G01	97	3.	3.	3.	3.	3.	3.	3.	1626.	1626.	19.	164.84	2.67	1.93
067 Wilmette	001	G01	97	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.		2.50	1.00
073 Rockford	001	A01	26	7.	10.	16.	21.	35.	68.	74.	100.	100.	30.	23.55	23.87	1.99
INDIANA																
067 Chesterton	001	G01	34	2.	5.	13.	21.	31.	52.	65.	79.	79.				
067 East Chicago	001	A01	24	16.	23.	39.	73.	108.	260.	260.	294.	294.	98.	79.43	72.08	2.28
	001	H02	38	2.	2.	13.	18.	45.	155.	204.	283.	283.	46.	62.00	21.89	3.72
	003	H02	32	2.	13.	18.	45.	162.	359.	482.	647.	647.				
	007	H02	45	2.	2.	5.	10.	31.	76.	79.	110.	110.	26.	30.07	11.95	3.75
067 Gary	001	A01	25	5.	7.	11.	19	29.	91.	144.	153.	153.	33.	39.83	20.67	2.57
	002	H01	45	2.	2.	2.	10.	34.	89.	105.	123.	123.	28.	33.61	11.91	4.12
	004	H01	41	2.	2.	2.	2.	2.	29.	55.	128.	128.	11.	22.99	4.25	2.96
	008	H01	45	2.	2.	2.	2.	10	42.	50.	63.	63.	13.	16.81	6.34	3.13
067 Hammond	001	A01	26	10.	14.	21.	54	93.	231.	269.	305.	305.	85.	83.19	52.71	2.82
067 Porter Co	009	G01	47	2.	8.	13.	24.	37.	58.	73.	212.	212.				
067 Valparaiso	002	G01	47	2.	5.	10.	16.	24.	45.	52.	63.	63.				
077 Evansville	001	A01	26	7.	7.	17.	21.	29.	73.	87.	107.	107.	32.	26.38	23.83	2.16
078 New Albany	002	A01	23	7.	7.	16.	26.	41.	62.	98.	218.	218.	38.	44.75	25.24	2.38
080 Indianapolis	001	A01	25	3.	7.	13.	29.	51.	91.	120.	164.	164.	41.	39.50	25.53	2.85
	001	H01	92	3.	5.	18.	37.	52.	80	116.	195.	195.				
	002	H01	4	3.	3.	3.	3.	24.	37.	37.	37.	37.				
	006	H01	3	3.	3.	3.	11.	71.	71.	71.	71.	71.				
	009	H01	5	3.	3.	3.	3.	3.	3.	3.	3.	3.				
	013	H01	4	3.	3.	3.	3.	3.	3.	3.	3.	3.				
082 South Bend	002	A01	23	3.	8.	15.	20.	38.	140.	151.	256.	256.				
083 Monroe Co	001	A03	23	5.	7.	8.	9.	17.	26.	30.	51.	51.	14.	10.61	11.46	1.81

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
IOWA																
068 Dubuque	001	A01	24	3.	5.	7.	8.	14.	61.	104.	119.	119.	21.	30.94	10.80	2.83
092 Des Moines	001	A01	25	3.	5.	7.	9.	15.	29.	78.	95.	95.	17.	22.10	10.76	2.34
KANSAS																
095 Topeka	001	A01	24	3.	3.	6.	7.	9.	11.	12.	30.	30.	8.	5.47	6.78	1.79
099 Wichita	001	A01	25	3.	5.	7.	7.	9.	11.	11.	16.	16.	8.	2.71	7.49	1.44
	001	F01	25	3.	5.	7.	7.	9.	11.	11.	16.	16.	8.	2.71	7.49	1.44
KENTUCKY																
078 Louisville	001	A01	24	7.	9.	22.	29.	39.	83.	110.	132.	132.	38.	31.93	28.19	2.29
079 Covington	001	A01	26	7.	10.	11.	22.	37.	59.	93.	121.	121.	31.	27.20	22.87	2.20
102 Lexington	001	A01	26	3.	7.	8.	10.	16.	24.	46.	200.	200.				
LOUISIANA																
106 Iberville Par	001	A03	25	5.	7.	7.	11.	12.	14.	14.	22.	22.	10.	3.93	9.34	1.45
106 New Orleans	002	A01	24	5.	5.	7.	7.	10.	15.	15	15.	15.	9.	3.23	8.23	1.43
MAINE																
000 Unknown	001	A03	25	3.	5.	7.	7.	10.	16.	17.	24.	24.	9.	4.57	8.33	1.58
109 Acadia Nat Park	001	A03	25	3.	5.	7.	7.	10.	16.	17.	24.	24.	9.	4.57	8.33	1.58
MARYLAND																
115 Baltimore	001	A01	24	7.	14.	24.	42.	66.	113.	114.	172.	172.	58.	42.91	42.40	2.35
MASSACHUSETTS																
042 Chicopee	001	F01	21	5.	10.	29.	42.	55.	79.	92.	152.	152.				
042 Holyoke	004	F01	181	2.	10.	18.	34.	50.	113.	170.	215.	244.	49.	47.46	32.78	2.45
042 Springfield	003	A01	26	11.	25.	35.	40.	78.	125.	129.	192.	192.	63.	44.84	50.49	1.97
	003	F01	174	5.	10.	31.	47.	76.	136.	162.	217.	257.	61.	49.61	43.13	2.47
118 Worchester	001	A01	25	7.	14.	27.	33.	80.	181.	319.	338.	338.	76.	89.12	45.34	2.77
119 Boston	001	A01	19	9.	11.	18.	26.	90.	165.	262.	262.	262.				
	002	F01	13	100.	139.	162.	178.	304.	377.	388.	388.	388.				
MICHIGAN																
122 Flint	001	A01	25	7.	9.	12.	20.	28.	66.	68.	72.	72.	25.	19.02	19.95	2.00
122 Grand Rapids	001	A01	25	6.	7.	9.	17.	21.	37.	47.	53.	53.	19.	12.40	15.88	1.85
122 Saginaw	001	A01	24	7.	10.	12.	17.	21.	42.	47.	86.	86.	23.	17.15	18.83	1.81
123 Detroit	001	A01	26	12.	22.	29.	50.	73.	98.	108.	111.	111.	55.	31.09	45.93	1.89
125 Lansing	001	A01	23	3.	9.	11.	16.	22.	66.	70.	76.	76.	23.	20.64	17.32	2.20
MINNESOTA																
131 Minneapolis	001	A01	25	3.	5.	9.	13.	25.	75.	98.	104.	104.	26.	28.90	16.13	2.70
MISSOURI																
070 St Louis	001	A01	24	9.	11.	23.	42.	100.	144.	220.	266.	266.	73.	67.38	46.43	2.78
	002	A01	25	7.	18.	27.	57.	85.	163.	178.	218.	218.	69.	53.79	49.66	2.41
094 Kansas City	002	A01	23	5.	5.	7.	9.	16.	28.	38.	48.	48.	14.	11.34	11.34	1.94
	002	H01	61	3.	3.	3.	5.	8.	19.	35.	99.	99.	10.	15.79	5.60	2.42
	003	H01	61	3.	3.	3.	3.	5.	10.	17.	27.	27.	6.	5.76	4.15	2.06
	018	H01	61	3.	3.	5.	5.	6.	11.	18.	58.	58.	8.	9.61	5.51	2.07
MONTANA																
141 Glacier Nat Park	001	A03	19	5.	6.	7.	7.	9.	15.	41.	41.	41.				

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
NEBRASKA																
085 Omaha	001	A01	26	5	7.	7.	9.	12.	38.	41.	77.	77.	15.	15.76	11.24	1.97
NEW JERSEY																
043 Jersey City	001	A01	25	3.	5.	7.	7.	17.	104.	112.	152.	152.	30.	42.25	13.45	3.38
043 Newark	001	A01	25	3.	10.	35.	48.	76.	135.	150.	159.	159.	61.	45.08	43.52	2.67
043 Paterson	001	A01	22	7.	7.	28.	44.	69.	118.	142.	180.	180.	57.	45.98	39.32	2.64
045 Camden	001	A01	26	7.	56.	84.	110.	178.	226.	263.	292.	292.	131.	70.72	107.61	2.13
045 Camden Co	002	A01	24	7.	9.	15.	25.	38.	70.	80.	117.	117.	33.	26.73	25.09	2.16
045 Glassboro	001	A01	26	3.	5.	7.	7.	8.	11.	11.	13.	13.	7.	2.37	6.98	1.41
NEW MEXICO																
152 Albuquerque	001	A01	23	3.	5.	6.	8.	10.	15.	15.	83.	83.	11.	15.98	8.06	1.98
NEW YORK																
043 New York City	001	A01	15	5.	5.	7.	12.	218.	551.	561.	561.	561.				
158 Mohawk	001	F01	1	144.	144.	144.	144.	144.	144.	144.	144.	144.				
158 Syracuse	001	A01	24	7.	8.	14.	22.	31.	40.	71.	79.	79.	26.	18.55	20.99	2.00
158 Utica	001	A01	26	7.	7.	9.	15.	27.	46.	60.	68.	68.	21.	16.73	16.52	2.07
160 Rochester	001	A01	25	3.	9.	26.	42.	69.	153.	170.	266.	266.				
	001	F01	40	5.	16.	37.	60.	105.	236.	291.	516.	516.	107.	116.75	61.85	3.07
	002	F01	29	2.	8.	39.	58.	81.	128.	173.	23580.	23580.				
	003	F01	45	5.	16.	31.	45.	63.	100.	118.	152.	152.				
161 Albany	001	A01	26	7.	12.	24.	44.	59.	81.	82.	149.	149.	46.	30.98	36.39	2.09
	001	F01	53	18.	24.	50.	68.	84.	155.	173.	734.	734.	88.	101.03	66.54	2.01
	002	F01	52	2.	26.	45.	89.	141.	238.	267.	390.	390.	111.	89.02	76.11	2.64
162 Buffalo	001	A01	23	5.	7.	8.	10.	13.	15.	16.	19.	19.	11.	3.54	10.10	1.40
162 Niagara Falls	001	F01	10	26.	26.	26.	79.	157.	157.	183.	183.	183.				
NORTH CAROLINA																
136 Greensboro	001	A01	25	5.	7.	9.	14.	26.	45.	48.	50.	50.	20.	14.15	15.50	2.05
166 Durham	001	A01	22	5.	7.	7.	12.	22.	52.	53.	60.	60.				
OHIO																
079 Cincinnati	001	A01	23	7.	9.	15.	19.	30.	47.	64.	116.	116.	26.	24.34	20.02	2.05
	001	H01	23	7.	9.	15.	19.	30.	47.	64.	116.	116.	26.	24.34	20.02	2.05
	003	A01	26	7.	11.	17.	21.	44.	59.	65.	73.	73.	30.	18.86	24.64	1.92
124 Toledo	001	A01	26	7.	9.	19.	26.	38.	65.	86.	95.	95.	33.	22.84	26.86	1.97
173 Dayton	001	A01	26	3.	3.	7.	9.	11.	15.	23.	27.	27.	10.	5.82	8.40	1.86
174 Akron	001	A01	23	5	8.	13.	36.	80.	111.	143.	145.	145.	51	44.58	31.65	2.92
174 Canton	001	A01	26	8	14.	22.	28.	40.	74.	83.	83.	83.	34.	20.65	29.19	1.81
174 Cleveland	001	A01	26	7.	14.	40.	58.	73.	114.	121.	248.	248.	66	47.25	52.28	2.18
	001	H01	70	10	47.	65.	90.	113.	191.	201.	249.	249	101.	52.95	87.72	1.73
	003	H01	72	5	25.	47.	63.	93.	141.	161.	189.	189.	75.	44.79	60.61	2.05
	005	H01	73	30.	52.	75.	93.	118.	176.	206.	226.	226.	102.	45.19	93.11	1.55
	006	H01	71	5	22.	35.	47.	60.	98.	103.	186.	186.	53.	30.76	44.99	1.84
	007	H01	73	5.	18.	30.	48.	58.	90.	122.	234.	234.	53.	38.05	41.91	2.04
	008	H01	75	12.	50.	68.	100.	141.	186.	226.	383.	383.	112.	64.09	94.57	1.87
	009	H01	73	5.	25.	37.	68	100.	153	239.	405	405	84.	73.11	60.95	2.30
	010	H01	69	5.	15.	30.	42.	68.	126.	178.	332.	332.	60.	56.62	43.59	2.24
	011	H01	68	7.	17.	32.	47.	63.	110	120.	241.	241.	55.	39.36	44.09	2.00
	012	H01	45	15.	42.	68.	98.	126	183.	211.	252	252.				
	013	H01	72	22.	45.	68.	95.	156.	282.	347.	501.	501.	134.	102.56	103.28	2.08
176 Columbus	001	A01	26	7.	13.	19.	22.	32.	56.	58.	83.	83.	29.	17.42	24.77	1.75
	001	A05	1	14.	14.	14.	14.	14.	14.	14.	14.	14.				
178 Youngstown	001	A01	26	8.	10.	26.	41.	59.	125.	134.	142.	142.	52.	39.34	38.19	2.30
OKLAHOMA																
184 Oklahoma City	029	A01	23	3.	5.	7.	7.	10.	11.	17.	27.	27.				
186 Tulsa	001	A01	26	3.	5.	7.	7.	8.	11.	12.	14.	14.	8.	2.57	7.17	1.43

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles 10	30	50	70	90	95	99	Max. obs.	Arithmetic Mean	Arithmetic Std. dev.	Geometric Mean	Geometric Std. dev.
OREGON																
193 Portland	001	A01	19	7.	7.	12.	18.	26.	33.	37.	37.	37.				
PENNSYLVANIA																
045 Philadelphia	001	A01	25	11.	18.	44.	51.	67.	155.	169.	175.	175.	70.	48.41	54.71	2.10
045 Warminster	001	A01	25	9.	9.	16.	25.	31.	54.	66.	80.	80.	28.	18.97	23.14	1.94
045 West Chester	001	A01	26	5.	7.	9.	17.	23.	54.	60.	126.	126.	24.	25.29	16.65	2.25
151 Allentown	001	A01	24	7.	16.	27.	39.	67.	119.	127.	229.	229.	57.	50.58	41.70	2.28
151 Reading	001	A01	25	5.	7.	14.	32.	50.	145.	223.	240.	240.	54.	64.15	29.78	3.12
178 Clearfield Co	001	A03	25	3.	7.	9.	11.	16.	24.	43.	59.	59.	15.	12.24	11.71	1.92
195 Johnstown	001	A01	24	11.	14.	27.	29.	45.	71.	80.	121.	121.	39.	25.78	31.98	1.87
196 Lancaster City	001	A01	4	12.	12.	29.	29.	34.	55.	55.	55.	55.				
196 York	002	A01	26	5.	9.	20.	40.	65.	84.	92.	114.	114.	44.	30.18	32.25	2.42
197 Indiana Co	001	A05	26	9.	11.	17.	21.	30.	39.	39.	55.	55.	24.	11.31	21.67	1.63
197 Pittsburgh	001	A01	26	7.	15.	58.	76.	91.	114.	140.	194.	194.	76.	40.75	61.68	2.15
PUERTO RICO																
244 Bayamon	002	A01	26	5.	5.	7.	7.	9.	14.	15.	35.	35.	9.	5.89	8.24	1.53
244 Guayanilla	002	A01	24	3.	7.	9.	11.	17.	21.	22.	36.	36.	14.	7.37	11.71	1.79
RHODE ISLAND																
120 Providence	001	A01	26	9.	12.	25.	69.	190.	331.	333.	369.	369.	121.	111.92	68.62	3.33
SOUTH DAKOTA																
000 Custer Co	001	A01	26	3.	5.	6.	7.	9.	14.	17.	17.	17.	8.	3.66	7.10	1.59
205 Black Hills Nat Forest	001	A03	26	3.	5.	6.	7.	9.	14.	17.	17.	17.	8.	3.66	7.10	1.59
TENNESSEE																
018 Memphis	001	A01	26	5.	5.	7.	8.	10.	18.	20.	32.	32.	10.	5.86	8.86	1.57
055 Chattanooga	001	A01	26	3.	3.	7.	9.	13.	15.	17.	72.	72.	11.	13.00	8.58	2.00
208 Nashville	001	A01	28	3.	7.	8.	10.	21.	65.	68	82.	82.	20.	20.96	13.33	2.34
TEXAS																
106 Beaumont	001	A01	18	3.	5.	7.	11.	13.	17.	45.	45.	45.				
153 El Paso	001	A01	6	21.	21.	24.	56.	96	100.	100.	100.	100.				
	002	A01	17	5.	5.	8.	12.	28.	51.	53.	53.	53.				
211 Amarillo	002	A01	8	3.	3.	5.	7.	7.	11.	11.	11.	11.				
211 Lubbock	001	A01	12	3.	3.	5.	6	8.	12.	14.	14.	14.				
212 Austin	002	A01	16	3.	5.	7.	7	9.	11.	13.	13.	13.				
214 Corpus Christi	001	A01	18	3.	5.	7	7.	9.	12.	14.	14.	14.				
215 Dallas	002	A01	25	3.	5.	7.	9.	10.	14.	15.	17.	17.	9.	3.43	8.11	1.58
215 Fort Worth	001	A01	24	3	5.	7.	7	11.	24.	30.	42.	42	11.	9.13	8.46	1.94
216 Houston	001	A01	26	3.	3.	7.	8.	9.	18.	18.	38.	38.	10.	7.11	8.20	1.84
216 Pasadena	002	A01	24	3.	5.	7.	7.	11.	23.	33.	58.	58.	12.	12.28	9.22	2.07
217 San Antonio	001	A01	25	5.	5.	7.	7.	8.	13.	14.	34.	34.	9.	5.71	8.01	1.49
218 Tom Green Co	001	A03	5	5.	5.	7.	7.	7.	7.	7.	7.	7.				
UTAH																
220 Salt Lake City	001	A01	25	6.	7.	11.	18.	21.	60.	86.	181.	181.	28.	36.71	18.82	2.29
VIRGINIA																
000 Page Co	001	A01	26	5.	5.	7	11.	12.	18.	19.	22.	22	11.	4.74	9.87	1.54
223 Norfolk	001	A01	26	7.	9.	14.	24.	45.	82.	94.	109.	109.	36	28.91	26.11	2.29
225 Richmond	002	A01	25	9.	11.	14.	18.	35.	66.	67.	72.	72.	29.	21.08	23.07	1.99
226 Shenandoah Nat Park	001	A03	26	5.	5	7.	11.	12.	18.	19.	22.	22.	11.	4.74	9.87	1.54

SULFUR DIOXIDE, micrograms per cubic meter (25 C)
GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
WASHINGTON																
229 Seattle	001	A01	27	11.	11.	19.	28.	38.	82.	138.	165.	165.	41.	37.68	30.21	2.10
229 Tacoma	001	A01	21	5.	7.	15.	18.	24.	44.	52.	68.	68.				
WEST VIRGINIA																
234 Charleston	001	A01	26	8.	11.	14.	18.	30.	108.	147.	169.	169.	35.	41.53	23.76	2.24
WISCONSIN																
239 Milwaukee	001	A01	25	3.	7.	11.	14.	21.	27.	27.	35.	35.	16.	7.69	14.31	1.80
WYOMING																
241 Casper	001	A01	25	5.	7.	7.	9.	11.	29.	51.	74.	74.	14.	15.77	10.12	1.91

NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL COLORIMETRIC-LYSHKOW (MOD), 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
015 Phoenix	002	G01	6183	9.	9.	9.	38.	56.	75.	94.	113.	188.				
CALIFORNIA																
024 Anaheim	001	I01	7985	9.	38.	56.	75.	113.	169.	207.	320.	658.	96.	63.89	74.90	2.19
024 Azusa	002	I01	7853	9.	9.	56.	75.	113.	188.	226.	338.	658.	94.	71.71	65.63	2.62
024 Burbank	002	I01	7753	9.	75.	113.	150.	207.	320.	414.	583.	940.	181.	114.65	149.69	1.93
024 Camarillo	002	I01	2878	9.	9.	38.	75.	94.	150.	188.	263.	432.				
024 La Habra	001	I01	5875	9.	9.	38.	56.	94.	150.	188.	320.	771.				
024 Lennox	001	I01	7676	9.	56.	75.	113.	132.	226.	282.	395.	752	122.	76.75	100.82	1.96
024 Long Beach	002	I01	7827	9.	56.	94.	113.	150.	263.	338.	508.	996.	141.	97.45	112.94	2.04
024 Los Angeles	001	I01	7399	9.	38.	75.	113.	150.	207.	263.	414.	1504.				
	002	I01	8103	9.	56.	75.	94.	132.	207.	263.	395.	902.	119.	76.32	99.03	1.92
024 Los Angeles Co	001	I01	7683	9.	9.	56.	94.	132.	207.	263.	357.	658.	109.	79.24	77.95	2.55
024 Pomona	001	I01	7936	9.	56.	94.	132.	169.	244.	301.	414.	808.	145.	80.77	124.06	1.82
024 Redlands	001	I01	4383	9.	9.	9.	9.	38.	75.	75.	113.	188.				
024 San Bernardino	001	I01	3105	9.	9.	56.	75.	94.	132	169.	244.	395.				
024 Ventura	001	I01	2341	9.	38.	94.	113.	150.	188.	226.	301.	489.				
025 Monterey	001	I01	7691	9.	9.	9.	38.	38.	75.	94.	132.	207.	37.	29.57	25.64	2.41
025 Salinas	001	I01	8143	9.	9.	9.	38.	56.	75.	94.	113.	244.	41.	27.82	30.17	2.34
025 Santa Cruz Co	001	I01	7950	9.	9.	9.	9.	38.	56.	75.	113.	282.	26.	25.70	17.64	2.30
028 Sacramento	002	F01	8116	9.	9.	38.	56.	75.	94.	132.	188.	376.	55.	40.15	40.87	2.35
030 Fairfield	001	F01	646	9.	38.	56.	75.	113.	169.	188.	207.	244.				
030 Livermore	002	I01	2092	9.	9.	38.	38.	56.	94.	132.	207.	545.				
030 Oakland	004	F01	7412	9.	9.	38.	56.	75.	113.	169.	263.	470				
030 Pittsburg	001	I01	7890	9.	9.	9.	38.	56.	75.	94.	132.	188.	39.	28.60	27.83	2.30
030 Redwood City	001	I01	7717	9.	9.	38.	56.	75.	132.	169.	282.	526.	62.	54.22	43.14	2.53
030 Richmond	002	I01	7497	9.	9.	38.	56.	75.	132.	150.	226.	545.				
030 San Francisco	003	I01	8140	9.	38.	56.	75.	94.	132.	169.	263.	639.	80.	49.30	66.82	1.94
030 San Jose	002	I01	7853	9.	9.	38.	56.	75.	132.	169.	244.	395.	67.	48.74	51.23	2.22
030 San Rafael	001	I01	7714	9.	9.	38.	56.	75.	94.	113.	169.	338.	55.	37.41	40.93	2.35
030 Santa Rosa	001	F01	5061	9.	9.	9.	38.	38.	75.	75.	113.	207.				
030 Vallejo	001	F01	1835	9.	38.	38.	56.	75.	150.	169.	226.	376.				
031 Bakersfield	001	F01	7219	9.	38.	56.	75.	113.	150.	188.	226.	451.	89.	48.29	75.80	1.88
031 Fresno	002	F01	7197	9.	9.	38.	56.	75.	113.	132.	188.	301.				
	003	F01	852	9.	38.	56.	75.	113.	150.	169.	226.	282.				
031 Stockton	002	F01	6983	9.	9.	38.	56.	75.	169	207.	282.	414.				
MICHIGAN																
123 Port Huron	003	F01	1016	9.	9.	38.	56.	75.	376.	376.	564.	752.				
OHIO																
174 Akron	013	H01	1980	9.	9.	38.	56.	75.	103.	141.	188.	282.				
174 Barberton	006	H01	1560	9.	9.	28.	28.	47.	75.	94.	150.	376.				

NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
INSTRUMENTAL COLORIMETRIC-GRIESS-SALTZMAN, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
COLORADO																
036 Denver	002	A10	7321	9.	9.	38.	56.	75.	94.	113.	207.	639.				
DISTRICT OF COLUMBIA																
047 Washington	003	A10	6007	9.	38.	56.	75.	94.	113.	132.	169.	451.				
ILLINOIS																
067 Chicago	002	A10	7505	9.	56.	75.	94.	94.	150.	169	226.	376.	92.	38.15	84.88	1.53
MISSOURI																
070 St Louis	002	A10	6035	9.	9.	38.	56.	75.	113.	132.	169	733.				
NEW JERSEY																
043 Bayonne	003	F01	8019	9.	41.	71.	98.	124.	167.	196.	254.	487.	103.	50.84	89.89	1.73
043 Newark	002	F01	7290	9.	64.	90.	111.	135.	180.	209.	286.	453.				
045 Camden	003	F01	7477	9.	34.	58.	79.	103.	147.	167.	235.	1002.				
OHIO																
079 Cincinnati	003	A10	5536	9.	38.	38.	56.	75.	94.	113.	150.	414.				
PENNSYLVANIA																
045 Philadelphia	002	A10	7253	9	38.	56.	56.	75.	113.	132.	169	263.				

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TOTAL HYDROCARBON, micrograms per cubic meter (25 C)
INSTRUMENTAL FLAME IONIZATION, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
015 Phoenix	002	G01	6468	65.	65.	196.	392.	1308.	3466.	4774.	7194.	70040.				
CALIFORNIA																
024 Anaheim	001	I01	8165	1308.	1308.	1308.	1962.	2616.	3924.	4578.	6540.	9810.	2300.	186.27	80.93	1.53
024 Azusa	002	I01	8358	654.	1308.	1308.	1962.	1962.	3270.	3924.	5232.	8502.	1975.	899.23	796.75	1.55
024 Los Angeles	001	I01	8340	654.	654.	1308.	1308.	1962.	3270.	3924.	5232.	7848.	1878.	954.48	667.05	1.64
024 Riverside	001	I01	5967	65.	1308.	1962.	1962.	2616.	3270.	3924.	5232.	9810.				
024 San Bernardino	001	I01	8095	654.	1308.	1962.	1962.	2616.	3270.	3924.	4578.	7194.	2210.	774.61	90.84	1.39
025 Monterey	001	I01	7249	1308.	1308.	1308.	1308.	1962.	1962.	2616.	2616.	5232.				
025 Salinas	001	I01	2315	654.	1308.	1308.	1308.	1308.	1962.	1962.	2616.	4578.				
028 Sacramento	002	F01	8312	1308.	1308.	1962.	1962.	1962.	3270	3924.	6540.	9810.	2222.	919.22	97.34	1.37
030 Burlingame	001	I01	8214	654.	1308.	1962.	1962.	1962.	3270.	3924.	5232.	8502.	2103.	848.11	967.92	1.42
030 Fremont	002	I01	8729	654.	1962.	1962.	1962.	2616.	3270.	3270.	4578.	8502.	2315.	644.49	234.52	1.30
030 Livermore	002	I01	1890	1308.	1308.	1962.	1962.	2616.	3924	4578.	5232.	9156.				
030 Oakland	004	F01	8077	65.	1962.	1962.	1962.	2616.	3270.	4578.	6540.	9810.	2425.	963.02	298.27	1.35
030 Pittsburg	001	I01	8516	654.	1308.	1308.	1308.	1962.	2616.	3270.	4578.	7848.	1811.	716.26	706.55	1.38
030 Redwood City	001	I01	8571	654.	1308.	1308.	1962.	2616.	3924	5232.	7194.	9810.	2227.	266.67	967.60	1.61
030 Richmond	002	I01	8577	1308.	1308.	1962.	1962.	2616.	3924.	4578.	6540.	9810.	2445.	76.14	274.53	1.43
030 San Francisco	003	I01	8572	1308	1962.	1962.	1962	2616.	3270.	3924.	5232.	9156.	2326.	744.75	239.54	1.30
030 San Jose	002	I01	8396	654.	1308.	1962.	1962.	2616.	3924.	5232.	6540.	9810.	2459.	172.37	260.77	1.47
030 San Rafael	001	I01	8635	1308.	1308.	1962.	1962.	1962.	3924.	4578.	6540.	9810.	2251.	113.73	54.32	1.50
030 Santa Rosa	001	F01	5777	654.	1308.	1308.	1308.	1962.	2616.	3270.	3924.	7848.				
031 Bakersfield	001	F01	8438	1308.	1308.	1962.	2616.	3270.	4578.	5886.	7848.	9810.	2829.	458.00	520.48	1.60
031 Fresno	002	F01	7462	654.	1308.	1308.	1308.	1962.	2616.	3270.	4578.	9810.				
	003	F01	889	1308.	1308.	1962	1962.	2616.	3270.	3924	5232.	7194.				
031 Stockton	002	F01	8236	1308.	1308.	1308.	1962	1962.	2616	3270.	5232.	9810.	2028.	827.90	909.75	1.39
COLORADO																
036 Denver	002	A10	8128	196.	1046.	1308.	1439.	1700.	2354.	2747.	4251.	8044.	1620.	664.65	524.49	1.39
DISTRICT OF COLUMBIA																
047 Washington	003	A10	7729	392.	654.	1177.	1373.	1504.	1831.	2093.	3074.	6148.				
ILLINOIS																
067 Chicago	002	A10	7935	65.	1177.	1439.	1635.	1897.	2485.	2943.	4120.	10529.	1760.	684.71	635.19	1.50
KENTUCKY																
079 Newport	001	F01	2143	65.	458.	1275.	2060.	2812.	4840.	5886.	7031.	9025.				
MISSOURI																
070 St Louis	002	A10	7306	327.	1112.	1308.	1439.	1635.	2027.	2354.	3335.	7521.	1554.	477.63	498.12	1.30
NEW JERSEY																
043 Bayonne	003	F01	8344	65.	654.	883.	1079.	1308.	1897.	2583.	4807.	10235.	1247.	780.05	99.23	1.62
043 Newark	002	F01	7356	65.	981.	1177.	1341.	1602.	2354.	2780.	3761.	14552.				
045 Camden	003	F01	7027	65.	850.	1014.	1177.	1406.	2191.	2681.	3793.	8306.				
OHIO																
079 Cincinnati	003	A10	7159	719.	1243.	1439.	1570.	1766.	2551.	3205.	4316.	7325.				
174 Akron	013	H01	2029	850.	3270.	3532.	3793.	4120.	4970.	5886.	7717.	9810.				
174 Barberton	006	H01	3271	1962	2616.	3597.	4382.	4774.	5886.	5886.	6802.	13080.				
PENNSYLVANIA																
045 Philadelphia	002	A10	6764	392.	1046.	1177.	1373.	1570.	2027.	2354.	3205.	5036.				

TOTAL OXIDANTS, micrograms per cubic meter (25 C)
INSTRUMENTAL COLORIMETRIC NEUTRAL KI, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
ARIZONA																
015 Phoenix	002	G01	6121	10.	10.	10.	39.	59.	98.	118.	176.	294.				
CALIFORNIA																
024 Anaheim	001	I01	7678	10.	10.	10.	10.	59.	137.	196.	353.	725.	55.	72.44	27.93	3.14
024 Azusa	002	I01	8195	10.	10.	10.	39.	78.	274.	392.	627.	1058.	93.	130.91	41.54	3.59
024 Burbank	002	I01	8193	10.	10.	10.	39.	59.	216.	294.	451.	745.	71.	100.61	31.45	3.49
024 Camarillo	002	I01	2451	10.	10.	39.	78.	137.	216.	274.	372.	568.				
024 La Habra	001	I01	5761	10.	10.	10.	10.	59.	137.	216.	412.	1058.				
024 Lennox	001	I01	8072	10.	10.	10.	39.	59.	98.	137.	196.	490.	45.	45.16	27.71	2.70
024 Long Beach	002	I01	7852	10.	10.	10.	10.	39.	78.	98.	157.	431.	32.	35.40	20.21	2.49
024 Los Angeles	001	I01	8224	10.	10.	10.	39.	59.	157.	216.	333.	588.	59.	70.58	31.04	3.10
	002	I01	8160	10.	10.	10.	39.	78.	157.	196.	294.	588.	60.	66.18	33.42	3.08
024 Los Angeles Co	001	I01	8221	10.	10.	10.	39.	78.	235.	333.	470.	764.	86.	104.30	43.14	3.38
024 Pomona	001	I01	8201	10.	10.	10.	39.	59.	235.	353.	568.	882.	79.	118.08	33.80	3.57
024 Redlands	001	I01	6711	10.	10.	10.	10.	59.	196.	333.	510.	725.				
024 San Bernardino	001	I01	7909	10.	10.	10.	10.	59.	216.	294.	451.	647.	66.	97.89	27.92	3.54
024 San Bernardino Co	002	I01	4301	10.	10.	10.	10.	59.	196.	274.	392.	529.				
024 Upland	002	K05	8602	10.	10.	39.	59.	118.	314.	451.	666.	960.	115.	139.93	61.08	3.25
024 Ventura	001	I01	2747	10.	10.	10.	39.	59.	78.	98.	157.	216.	43.	32.73	30.33	2.42
025 Monterey	001	I01	8202	10.	10.	39.	39.	59.	98.	98.	137.	255.	49.	32.43	35.78	2.40
025 Monterey Co	001	I01	7306	10.	10.	10.	39.	59.	78.	98.	137.	196.	42.	32.32	29.43	2.49
025 Salinas	001	I01	7512	10.	10.	10.	39.	59.	78.	78.	98.	176.	37.	25.55	26.98	2.32
025 Santa Cruz Co	001	I01	8062	10.	10.	10.	10.	39.	59.	78.	118.	235.	32.	28.58	21.85	2.40
028 Sacramento	002	F01	6901	10.	10.	10.	39.	59.	118.	157.	216.	392.				
028 Sacramento Co	001	I01	7700	10.	10.	10.	39.	59.	137.	176.	274.	490.	55.	60.68	30.64	3.00
030 Fairfield	001	F01	2017	10.	10.	39.	39.	59.	98.	118.	157.	274.				
030 Vallejo	001	F01	1851	10.	10.	10.	10.	39.	78.	78.	137.	176.				
031 Bakersfield	001	F01	8111	10.	10.	10.	10.	59.	137.	157.	196.	294.	48.	50.73	26.85	2.95
031 Fresno	002	F01	7231	10.	10.	39.	59.	98.	176.	216.	294.	608.				
	003	F01	972	10.	10.	39.	59.	78.	137.	157.	216.	274.				
	004	F01	3226	10.	10.	59.	98.	137.	196.	216.	294.	725.				
031 Stockton	002	F01	6906	10.	10.	10.	59.	98.	176.	216.	274.	431.				
033 Barstow	001	I01	4703	10.	10.	10.	39.	78.	118.	137.	176.	235.				
033 Victorville	001	I01	7308	10.	10.	39.	59.	78.	98.	137.	176.	333.	57.	39.91	41.08	2.47
COLORADO																
036 Denver	002	A10	2593	10.	10.	39.	59.	59.	98.	118.	137.	255.				
DISTRICT OF COLUMBIA																
047 Washington	003	A10	1729	10.	10.	10.	10.	39.	78.	98.	118.	196.				
ILLINOIS																
067 Chicago	002	A10	545	10.	39.	59.	59.	78.	98.	98.	118.	137.				
MISSOURI																
070 St Louis	002	A10	2333	10.	10.	10.	39.	59.	98.	118.	157.	235.				
OHIO																
079 Cincinnati	003	A10	1130	10.	10.	10.	39.	59.	118.	157.	216.	314.				
OREGON																
193 Portland	002	F01	8728	10.	10.	10.	10.	10.	39.	49.	78.	294.	16.	16.51	12.24	1.76
PENNSYLVANIA																
045 Philadelphia	002	A10	2367	10.	10.	39.	39.	59.	78.	118.	157.	216.				

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TOTAL OXIDANTS, micrograms per cubic meter (25 C)
INSTRUMENTAL COULOMETRIC NEUTRAL KI, 1 hour

1969 Annual Report

Site location	Site No.	Ag/ proj.	No. obs.	Min. obs.	Percentiles							Max. obs.	Arithmetic		Geometric	
					10	30	50	70	90	95	99		Mean	Std. dev.	Mean	Std. dev.
CALIFORNIA																
030 Burlingame	001	101	8149	10.	10.	10.	10.	39.	59.	78.	157.	294.	31.	30.20	20.84	2.37
030 Fremont	002	101	8750	10.	10.	10.	39.	59.	98.	137.	274.	529.	47.	55.06	27.06	2.83
030 Livermore	001	101	8641	10.	10.	10.	59.	98.	157.	216.	353.	725.	72.	74.94	40.02	3.19
	002	101	2172	10.	10.	10.	10.	59.	118.	137.	216.	274.				
030 Oakland	004	F01	7729	10.	10.	10.	39.	39.	78.	78.	137.	353.	34.	28.99	24.13	2.38
030 Pittsburg	001	101	8523	10.	10.	10.	39.	59.	98.	118.	196.	333.	42.	40.40	27.17	2.62
030 Pleasant Hill	001	101	6114	10.	10.	10.	39.	59.	118.	157.	274.	451.				
030 Redwood City	001	101	8495	10.	10.	10.	39.	59.	98.	118.	196.	490.	45.	44.91	27.05	2.80
030 Richmond	002	101	8603	10.	10.	10.	39.	59	78.	98.	137.	274.	42.	32.92	29.69	2.47
030 San Francisco	003	101	8704	10.	10.	10.	10.	10.	39.	59.	78.	176.	19.	17.81	14.22	1.95
030 San Jose	002	101	8627	10.	10.	10.	10.	39.	98.	137.	235.	510.	42.	50.49	24.13	2.79
030 San Leandro	001	101	8399	10.	10.	10	39.	59.	98.	118.	196.	451.	42.	41.21	26.75	2.68
030 San Rafael	001	101	8300	10.	10.	10.	10.	39.	78.	98.	157.	451.	32.	33.05	21.39	2.44
030 Santa Rosa	001	F01	5182	10.	10.	10.	39.	59.	78.	98.	137.	176.				

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